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Lewis and Clark Centennial and American Pacific Exposi- tion and Oriental Fair, 1905 Portland, Oregon

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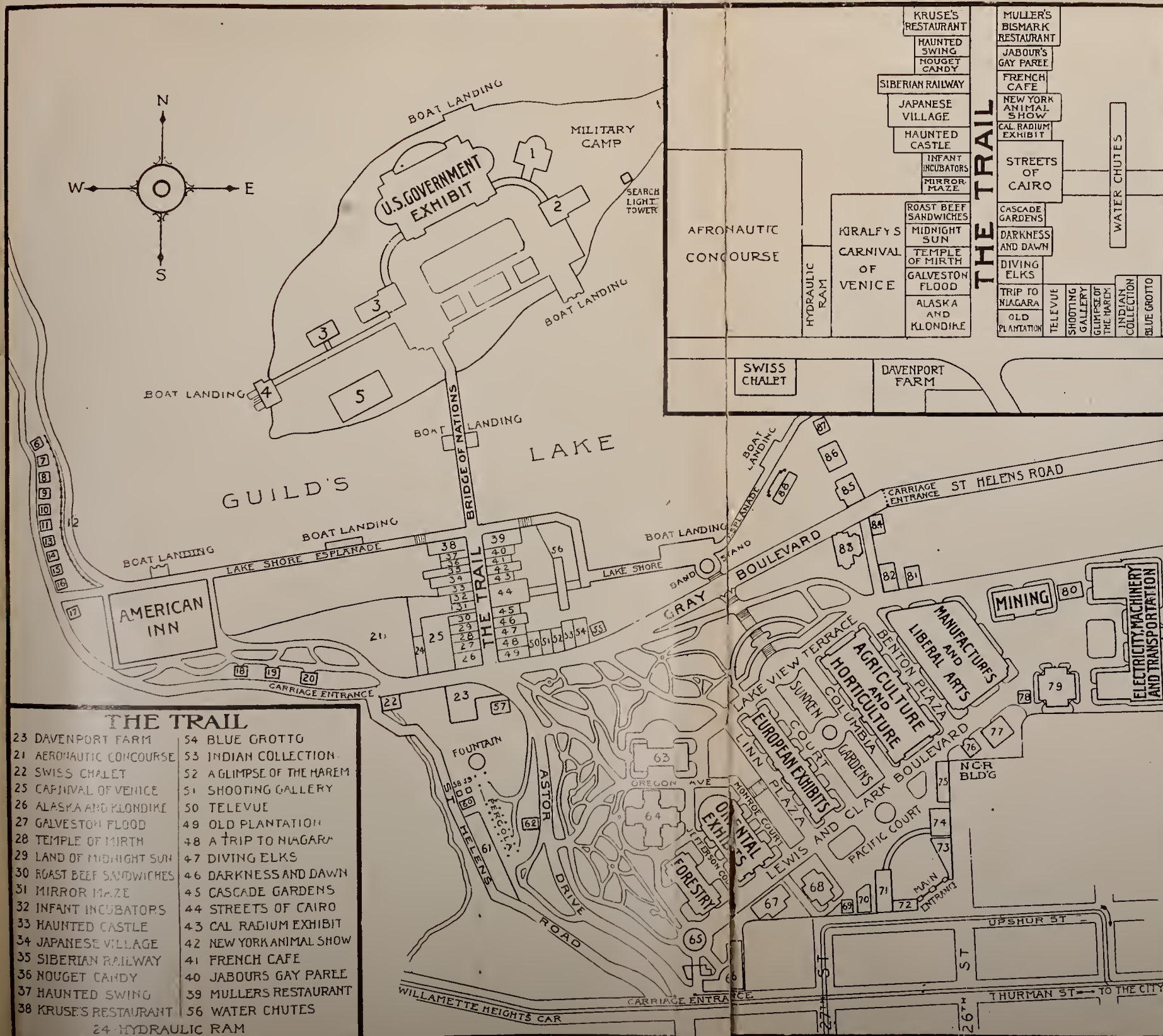
- 64 CALIFORNIA
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U. S. GOVERNMENT EXHIBIT Wings to Main Exhibit Building

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- 4 LIFE-SAVING STATION
- 5 RESTAURANT

MISCELLANEOUS

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- 7 WINDMILLS
- 8 HYDRAULIC GRAVEL ELEVATOR
- 9-10 STUMP PULLERS
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- 80 GEOLOGICAL BUILDING
- 81 MAJESTIC STOVES
- 82 Y. W. C. A.
- 87 FRATERNAL TEMPLE
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- ### THE TRAIL
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| 23 DAVENPORT FARM | 54 BLUE GROTTO |
| 21 AERONAUTIC CONCOURSE | 53 INDIAN COLLECTION |
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| 25 CARNIVAL OF VENICE | 51 SHOOTING GALLERY |
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| 37 HAUNTED SWING | 39 MULLERS RESTAURANT |
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BIRD'S EYE VIEW OF LEWIS AND CLARK CENTENNIAL EXPOSITION



VIEW OF THE UNITED STATES GOVERNMENT BUILDINGS FROM THE TRAIL

OFFICIAL CATALOGUE
OF THE
Lewis & Clark Centennial
AND
AMERICAN PACIFIC EXPOSITION
AND ORIENTAL FAIR
PORTLAND, OREGON, U. S. A.
JUNE 1 to OCTOBER 15, 1905



LEWIS AND CLARK CENTENNIAL EXPOSITION, 1905

President's Office, Portland, Oregon, May 6, 1905.

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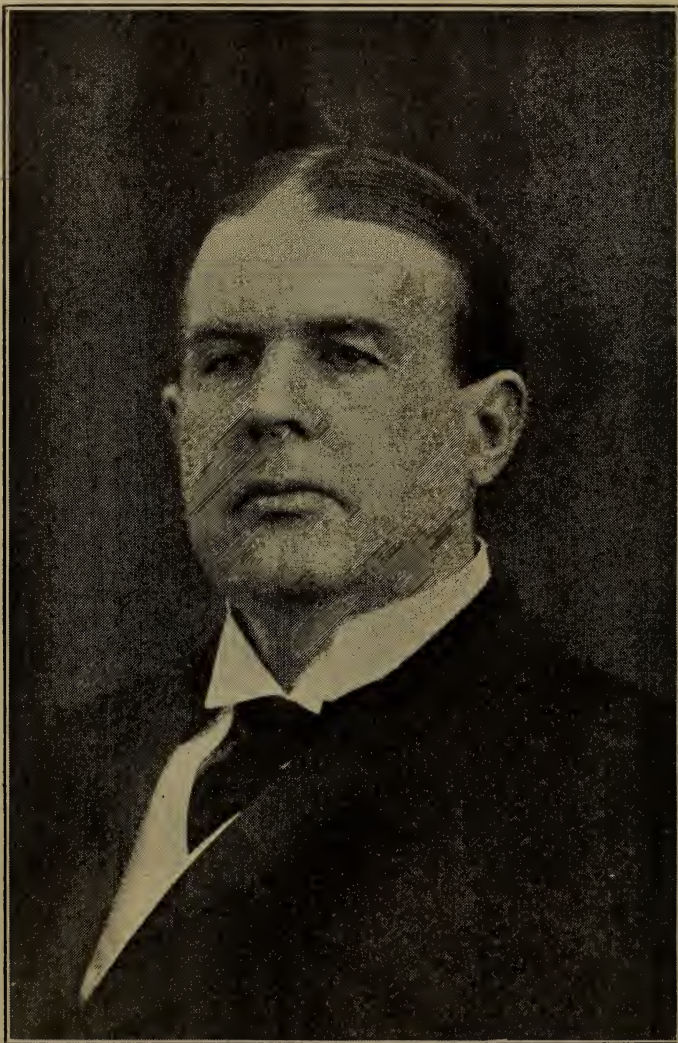
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CELEBRATING THE ONE HUNDREDTH ANNIVERSARY OF
THE EXPLORATION OF THE OREGON COUNTRY
BY CAPTAINS MERIWETHER LEWIS
AND WILLIAM CLARK

ILLUSTRATED

COMPILED BY H. B. HARDT
ALBERT HESS & CO., PUBLISHERS, PORTLAND, OREGON
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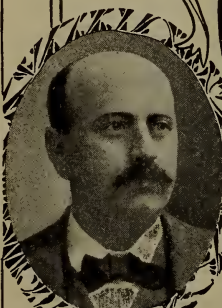
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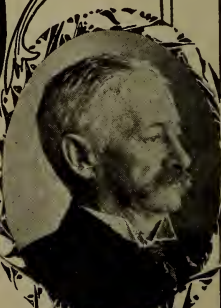
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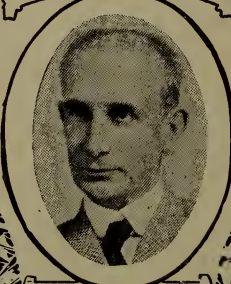
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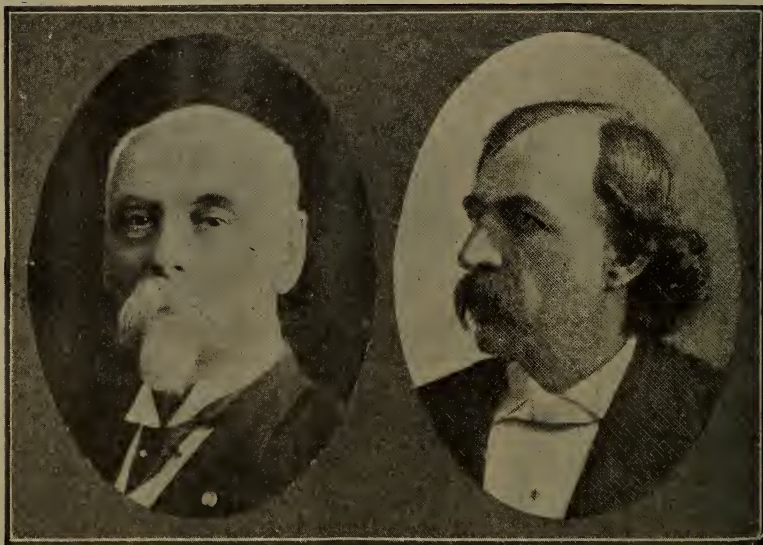
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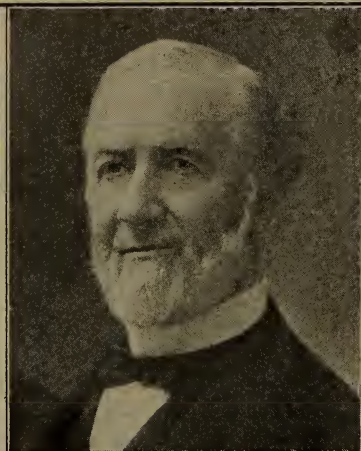
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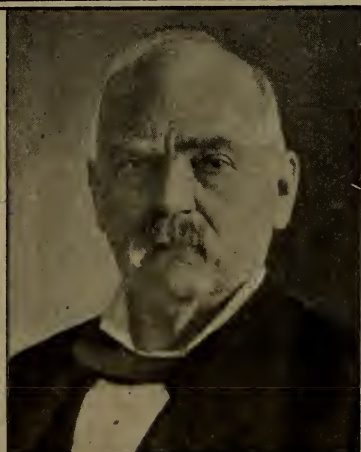
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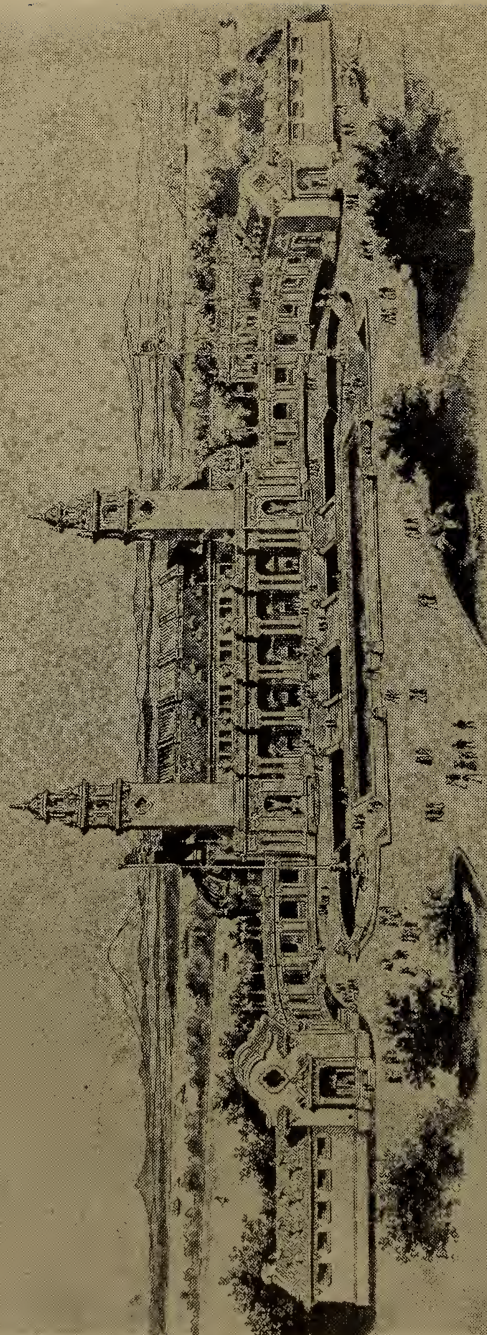
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UNITED STATES GOVERNMENT BUILDING
LEWIS AND CLARK CENTENNIAL EXPOSITION
PORTLAND, OREGON.

PREFACE

BY HENRY E. DOSCH, DIRECTOR OF EXHIBITS

EMERSON said, "Nothing great was ever achieved without enthusiasm." Ruskin said, "The law of nature is that a certain amount of work is necessary to produce a certain quantity of good of any kind whatever. If you want knowledge, you must toil for it; if food, you must toil for it, and if pleasure, you must toil for it." All of which applies with great force to a modern International Exposition. The modern Expositions are the milestones that mark the epochs of our civilization and advance in commerce, industry, science, education and civic and racial development. True, there is a limit to everything, even human endurance. An exposition may become too large and unwieldy. However, the modern Exposition has come to stay and from necessity it will be international in scope, for by reason of transportation developments by land and by sea, the peoples of the world are brought in very close touch with each other, and must show exhibits brought together from the four corners of the globe, showing as they do, and which is shown at our Centennial Exposition, the ingenuity and progress in art, science, manufacture, machinery, electricity and education, the highest production of human endeavor and achievements. Therefore, modern Expositions are the greatest educators of the present age.

The catalogue of a Modern Exposition is, therefore, a complete and comprehensive record, not only of the exhibits of the Exposition as displayed in its vast palaces, but of the progress along all lines intellectual, social and industrial, and at the same time a roll of honor, so to speak, of the exhibitors who have the foresight, push and energy to participate in the world's work and make the modern International Exposition a possibility.

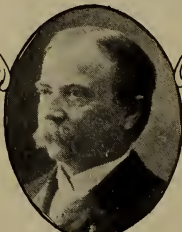
It was also my privilege to depart from the old routine of exhibits by inaugurating a system whereby a state's exhibits may be housed in its own building, having the same privilege to compete for awards as if exhibited in the regular exhibit palaces, which will prove more satisfactory to the states as well as visitors. Also the segregation of the foreign and oriental exhibits from the domestic exhibits by having them in palaces especially prepared for that purpose.

HENRY E. DOSCH,
Director of Exhibits.

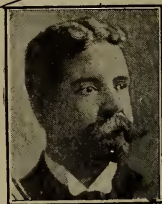
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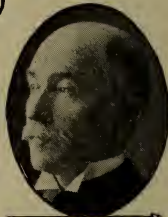
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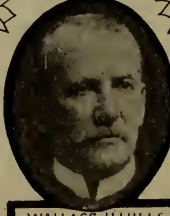
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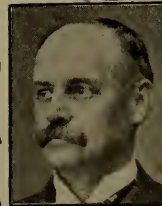
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WM. M. GEDDES
Custodian

EDWIN L. SPRINGMANN
Assistant Custodian

THE Government of the United States has become a very important factor in the Lewis and Clark Centennial Exposition. In recognition of the importance of this exposition to the great Northwest, and the entire country, an appropriation of \$200,000 was made by Congress for an exhibit, illustrating the function and administrative faculty of the Government in time of peace and its resources as a war power, tending to demonstrate the nature of our institutions and their adaption to the wants of the people; and an appropriation of \$25,000 was authorized to aid the inhabitants of the district of Alaska to provide and maintain an exhibit of the products and resources of said district. The Act of Congress also provided for a Government Board, composed of one person to be named by the head of each of the Executive Departments, one by the head of the Smithsonian Institution and National Museum, one by the Library of Congress, and one by the Director of the Bureau of American Republics. The President was authorized by the said Act to name one of the said persons so detailed as Chairman.

The sum of \$250,000 was appropriated for the Government buildings and the preparation of the grounds therefor and the lighting thereof. The Supervising Architect of the Treasury was charged with the erection of the buildings, which consist of a main building with annexes connected by colonades, a forestry and irrigation building and a building for an exhibit of the United States Life-Saving Service.

Within the buildings are a series of displays by the several departments that will commend itself to everyone, and which equals in every respect any display heretofore made by the Government. Experience in exposition work has shown the comparative value of the great amount of material at the command of each department, and the most desirable and instructive material has been selected.

Department of State

WM. H. MICHAEL
Representative.

H. C. McARTHUR
Chief Special Agent

The Department of State exhibit occupies space designated in the south east corner of the Government building. The space is inadequate but utilized to the best advantage with a most interesting exhibit.

On the wall space is found facsimiles of the Rough Draft of the Declaration of Independence as it came from the author and the committees hands, and an engrossed copy of the same as signed, with photograph of the house in which it was written and the building in which signed, and the desk upon which signed, all surrounded by the portraits of the author, committee and signers. Following the Declaration we find the Articles of Confederation with photographs

of the committee and all the signers, the Constitution, with photographs of the President of the Convention, Washington, the Secretary, Wm. Jackson, and all the members of the Convention, followed by the portraits of the Secretaries of Foreign Affairs and Secretaries of Department of State from the foundation of the government to the present time. Then follows the photographs of the different buildings occupied by the office of Foreign Affairs, the Department of Foreign Affairs and the Department of State, the Executive Mansions and the Capitol buildings. The territorial expansion of the United States is carefully shown, a very interesting study. The Monroe Doctrine, Great Seal, Lincoln and copy of the Emancipation Proclamation and a photograph of the cabin in which he was born, and White House at that time. On a large four paneled screen is shown portraits of all the presidents surrounded by the members of their cabinets from Washington to Roosevelt. A very fine portrait in oil of President Roosevelt, by Kelly, and Secretary Hay by Albert Rosenthal. Many valuable and interesting relics are to be found in cases. Viz.—The identical desk on which was written the Declaration of Independence, Washington's sword and eyeglasses, Franklin's staff, Jackson's sword, and many interesting articles and medals set forth in detail in catalogue. Viz.:

EXHIBITS

1. Secretaries of Foreign Affairs.
2. Secretary of State.
3. Several buildings occupied by the Office of Foreign Affairs, the Department of Foreign Affairs, and the Department of State.
4. Maps of the World, showing the location of the diplomatic and consular offices of the United States.
5. Photographs of United States Embassies.
6. Photographs of United States Legations.
7. Photographs of United States Consulates.
8. Treaties.
9. National Capital buildings.
10. Different buildings occupied as Executive Mansions.
11. Medals—Army.
12. Medals—Presidential Inauguration.
13. Medals—Miscellaneous.
14. Indian peace medals.
15. Statuette of Washington; by Baron Marochetti.
16. Panama Canal treaty.
17. Official seals of foreign countries.
18. The Seal of the United States.
19. Declaration of Independence.
20. Seals of the Thirteen Original States.
21. The Articles of Confederation.
22. The Constitution of the United States.
23. First diplomatic communication of the United States—letter by Benjamin Franklin.

24. Facsimile of a portion of the first treaty between the United States and a foreign country, France, with portraits of the signers, viz.: Conrad Alexandre Gerard, on the part of France; Benjamin Franklin, Silas Deane and Arthur Lee, on the part of the United States.

PHOTOGRAPHS OF OFFICES IN THE DEPARTMENT OF STATE

25. The diplomatic reception room.
26. The office of the Secretary of State.
27. The office of the Assistant Secretary of State.
28. The office of the Second Assistant Secretary of State.
29. The office of the Third Assistant Secretary of State.
30. The office of the Chief Clerk.
31. The office of the Solicitor.
32. The office of the Assistant Solicitor.
33. The office of the Chief of the Diplomatic Bureau.
34. The office of the Chief of the Consular Bureau.
35. The office of the Chief of the Bureau of Indexes and Archives.
36. The office of the Chief of the Bureau of Accounts.
37. The office of the Library.
38. The office of the Chief of the Bureau of Appointments.
39. The office of the Chief of the Passport Bureau.
40. The office of the Chief of the Bureau of Trade Relations.
41. Maps showing the location of Diplomatic and Consular Offices of the United States.
42. Portrait in oil of President of the United States, by Kelly, 1898.
43. Portrait in oil of the Secretary of State, by Albert Rosenthal.
44. Portraits of the Presidents and Vice Presidents of the United States from George Washington to Theodore Roosevelt, and of the members of each Cabinet.
45. Territorial expansion of the United States.
46. The Bartholdi Statue of "Liberty Enlightening the World."
47. The Proclamation of Emancipation (facsimile of).
48. The Monroe Doctrine (facsimile of).
49. Proclamations of the Presidents (facsimiles of) from Washington to Roosevelt.
50. Ceremonial letters (facsimile of).

To the general public and especially to the historical student the Department of State exhibit should certainly be a most interesting collection.

Watch Tacoma Grow

Treasury Department

H. A. TAYLOR
Representative

MILTON BROWN
Chief Special Agent

THE exhibit of the Treasury Department includes displays from the office of the Secretary of the Treasury, the Supervising Architect's Office, the Bureau of Engraving and Printing, the Life-Saving Service, the office of the Treasurer of the United States, the Bureau of the Mint, and the Bureau of Public Health and Marine Hospital Service.

OFFICE OF THE SECRETARY

On the wall space of the Department hangs an oil portrait of the present Secretary of the Treasury, Leslie M. Shaw and a Portrait of Robert Morris.

SUPERVISING ARCHITECT'S OFFICE

2. From this office there is exhibited a series of drawings, representing various important public buildings, which have been erected or are in course of construction, under the direction of the Supervising Architect. The drawings represent the following named buildings:

Government Building, Trans-Mississippi Exposition, 1898, Omaha, Nebraska.

Government Buildings, Pan-American Exposition, 1901, Buffalo, New York.

Government Buildings, Louisiana Purchase Exposition, 1904, St. Louis, Missouri.

Court House and Post Office, Seattle, Washington.

Post Office, Rome, New York.

Post Office, Annapolis, Maryland.

Post Office, Aberdeen, South Dakota.

Post Office, Kansas City, Kansas.

Post Office, Lawrence, Massachusetts.

Court House and Post Office, Cumberland, Maryland.

BUREAU ENGRAVING AND PRINTING

1. The principal feature of the exhibit of this bureau consists of a printing press in operation, illustrating the method of plate printing used in the Bureau. On this press specimen plates of a special design are printed in view of the visitors. The Bureau also exhibits the following:

2. A large frame containing specimens of the engraved portraits and vignettes executed by the Bureau. In this collection there is a complete set of the portraits of the Presidents of the United States, and of the Secretaries of the Treasury, together with a number of fine vignettes used on notes and securities.

3. A large frame containing specimens of the bonds, notes, certificates, and other obligations issued by the United States.

4. Two small frames containing specimens of the most recent engravings of securities produced by the Bureau.

5. A stand with glass case containing an exhibit of the implements used in the work of engraving and printing, such as bed pieces, or dies, lathework, rolls and impressions.

6. Three similar stands with glass cases each containing three panels of notes, stamps, portraits and vignettes. The feature of the exhibit in these cases is the notes and stamps prepared for Cuba and the insular possessions of the United States.

7. A geometric lathe for tracing the intricate line work shown on bonds and notes.

OFFICE OF TREASURER OF UNITED STATES

An interesting feature of the Department's exhibit is an old "cutting knife" which was used in the office of the Treasurer of the United States from 1863 to 1899. United States paper currency redeemed by the Treasurer is put up in packages of the same denomination, the notes are then cut in half lengthwise, the lower half is sent to the office of the Secretary of the Treasury, and the upper half to the office of the Register of the Treasury, for verifications of the count. The historic knife here exhibited was used in cutting in this manner 2,601,784,936 separate pieces of paper currency, representing in total face value \$5,586,688,858.96.

BUREAU OF THE MINT

On the space of this Bureau visitors may see various operations required in the production of either gold or silver coins.

The coinage of money is a process involving a large variety of operations, and on account of the small tolerance which the Government allows, both in weight and fineness, special care must be taken to obtain accurate adjustment of the machinery. Tolerance in the variations in weight is allowed by law from a given standard. There is a less tolerance allowed for gold than for silver.

All the machines in the exhibit are driven by electric motors.

PUBLIC HEALTH AND MARINE HOSPITAL SERVICE

The exhibit of this Bureau includes the following:

1. Electro-therapeutic apparatus, consisting of a ten-plate static machine, a sixteen-inch coil, a wall cabinet, and the necessary apparatus to demonstrate Roentgen and Finsen rays.

2. Machinery demonstrating disinfection at quarantine stations, hospitals and apartments, by means of steam, sulphur di-oxide and formaldehyde.

3. Models of quarantine stations, detention camp and machinery for disinfection, showing arrangement.

4. Laboratory for hospital use.

5. Culture of pathogenic germs in tubes.

6. Micro-photographs of pathogenic germs, etc., in mounted and illuminated stand.

7. Model of operating room.
8. Model of section of hospital ward.
9. Framed photographs of marine hospitals and quarantine stations.
10. Illustration of methods of keeping and preserving clinical records.
11. Library for hospital use.
12. Model showing means of water inspection.
13. Printed annual reports of the service and bound volumes of public health reports.

LIFE-SAVING SERVICE

The exhibit of this service is made outside the Government Building, and consists of a life-saving station, located on a lake on the Exposition grounds, and completely manned and equipped.

LIFE-SAVING SERVICE BUILDING

Description

The Life-Saving Service Building is 69 feet 6 inches by 43 feet, designed in the Spanish Renaissance style. The walls are covered with stucco, roofed with red Spanish tile. From about the center of the building a tower for the lookout extends to a height of about 53 feet.

That part of the building containing the living quarters of the crew is entered through an arch surmounted by a cartouche bearing the coat of arms of the Life-Saving Service. On the first floor of this portion of the building will be found the keeper's room, mess-room, kitchen, etc. The second floor has one large room in which the men sleep.

That portion of the station used for storage of boats and other life-saving apparatus has two large doors opening into the boat run, which is 34 feet by 40 feet, running down into the lake and down which the life-boats are launched.

This boat-room is 33 feet by 42 feet, and in it will be kept all the various types of boats, life-cars, water-guns, buoys, etc., used by the Life-Saving Service in rescuing life and property from the water.

War Department

JOHN C. SCOFIELD
Representative

JOS. J. HITTINGER,
Chief Special Agent

THE exhibit from this department occupies a floor space of 7540 square feet in the main United States Government Building, and is made up of exhibits from the office of Secretary of War, General Staff of the Army, Quartermaster's Department, Corps of Engineers, Ordnance Department, Signal Corps, United States Military Academy, Artillery Corps United States Army, Gettysburg National Military Park Commission, Chickamauga and Chattanooga National Military Park Commission, Shiloh National Military Park Commission and Vicksburg National Military Park Commission, as follows:

FROM OFFICE SECRETARY OF WAR

Photograph of the Secretary of War.

14 colored transparencies of typical scenes of the various wars in which the United States has been engaged.

15 photographs of the Moro campaign in the Philippine Islands.

FROM GENERAL STAFF OF THE ARMY

12 photographs of scenes in Cuba.

12 photographs of scenes in Porto Rico.

12 photographs of scenes in Panama.

12 photographs of scenes in China.

Books and publications of the Military Information Division.

A collection of military maps.

FROM QUARTERMASTER'S DEPARTMENT

Group of 24 lay figures, 5 being mounted, of officers and enlisted men, showing the new full dress, dress and service uniforms, worn in the United States.

Group of 5 lay figures, of officers and enlisted men, showing the uniforms worn in the Philippine Islands.

Group of 4 lay figures, of enlisted men, showing the uniforms worn in Alaska.

6 models of the different tents issued to the Army.

Case showing the development of the Army boots and shoes.

Model of Arlington National Cemetery.

Complete collection of the new pattern silk colors and flags.

Wing frame, containing 48 plates showing the uniforms of the Army from 1776 to 1901.

Pack mule, with aparejo and pack.

Alaska dog sled and harness.

Office wagon used by General George H. Thomas, during the Civil War, 1861-65.

Historic Army wagon; this wagon made the march to the sea with General Sherman's Army.

Caraboa and cart from the Philippine Islands.

FROM CORPS OF ENGINEERS

Model of St. Mary's Falls Canal Locks.

Model of Blossom Rock, San Francisco, California.

Model of United States Snagboat G. H. Wright.

Model of New York Harbor.

Five models of typical ocean vessels entering this harbor, and showing the increase in the size of such vessels during the nineteenth century.

Model of New York Harbor suction dredge.

Model of Galveston Harbor.

FROM ORDNANCE DEPARTMENT

Breech block for 16-inch B. L. rifle.

2400-pound cast iron projectile for 16-inch B. L. rifle.

640-pound simulated smokeless powder charge for 16-inch B.L. rifle.

A collection of armor-piercing projectiles, for service cannon.

A collection of simulated smokeless powder for service cannon.

A perforated piece of 6-inch armor plate.

A collection of steel projectiles which have been fired through armor plate.

The new 3-inch rapid fire field gun with carriage limbered up, and with six lay figures, horses, on which is displayed the artillery harness.

A Vickers-Maxim mountain gun and equipment packed for transportation on five lay figures of pack mules.

A Colt automatic gun and equipment, packed for transportation on two lay figures of pack mules.

Two Gatling guns and carriages.

A Vickers-Maxim automatic gun and carriage.

A Vickers-Maxim mountain gun and carriage assembled ready for firing.

A Colt automatic gun and carriage, assembled ready for firing.

15 cartridge-making machines, from the Frankfort Arsenal, in operation, showing the process of manufacture of the small arms cartridge.

2 arm racks, with 178 portable fire-arms which show a complete development, as to stock, lock, bore and method of loading, of the latest modern magazine rifles.

3 sample boards showing the component parts of the United States magazine rifle.

1 sample board of automatic pistols.

1 sample board of revolvers.

2 sample boards of sabers and swords.

Sample boards showing fuses for various kinds of ammunition.

Sectionalized specimens of various kinds of ammunition.

Frame on which is exhibited the parts of saddles, curbs and water-bridles, tin cups, meat cans, canteens, etc., in various stages of manufacture.

Sample case of different kinds of smokeless powder.

FROM THE SIGNAL CORPS

Philippine Island hut, with five lay figures of officers and men,

representing a station of the field telegraph during war, with its instruments and flags.

Relief model of Cuba.

Relief model of Porto Rico.

Relief model of the Philippine Islands.

Relief model of Alaska.

Model of field telegraph train, with animals hitched for service.

Model of system of fire control.

Set of telautograph instruments.

Set of wireless telegraph instruments.

Set of heliograph instruments.

Set of signal lanterns.

Set of signal flags.

Set of field telephone instruments.

Set of international flags.

Set of cable-testing instruments.

Collection of Signal Corps telescopes and field glasses.

Samples of cable and recovered wire.

Picture of heliograph station in Arizona.

Collection of Philippine photographs.

FROM UNITED STATES MILITARY ACADEMY

4 lay figures, showing the various uniforms worn by cadets.

Drawings of the new West Point.

Collection of photographs of scenes at West Point.

Models of 10-inch rifle on barbette carriage.

Model of 12-inch mortar and carriage.

Plaster cast of the coat of arms, U. S. Military Academy.

2 plaster shields, containing the names of graduates who have received the thanks of Congress.

8 plaster tables bearing the names of graduates killed in action from 1802 to 1904.

Replica of the figure of Fame on the Battle Monument at West Point.

FROM ARTILLERY CORPS, UNITED STATES ARMY

The exhibit from this branch of the Army is made by the School of Submarine Defense, and is an endeavor to show in miniature the method of defending a harbor against a naval foe, and while torpedo defense is the dominant feature, the model includes a part of the necessary fortifications and guns, in order to present to the observer an idea of the close relations which must exist between the various parts of the defense and also to show to those who perhaps have never seen a modern fort the manner in which high-power guns and mortars are now employed and how different they are from the old smooth bore guns of the time of the Civil War.

The exhibit consists of an iron tank with a glass front, in which the water represents the entrance to a harbor, and which is so thickly sown with mines that a battle ship cannot get in without either striking one or coming so near that its explosion at the proper time would wreck the vessel.

**FROM GETTYSBURG NATIONAL MILITARY PARK
COMMISSION**

Set of blue prints of the battle field.
Collection of photographs.

**FROM CHICKAMAUGA AND CHATTANOOGA NATIONAL
MILITARY PARK COMMISSION**

Collection of photographs.

FROM SHILOH NATIONAL MILITARY PARK COMMISSION

Two large maps of the battle field.
Collection of photographs.

**FROM VICKSBURG NATIONAL MILITARY PARK
COMMISSION**

Set of blue prints of the battle field.
Collection of photographs.

PHILIPPINE SECTION

CHAS. L. HALL
In Charge of Exhibit
VICTOR J. HALL
Assistant

The Philippine section, which is a part of the War Department Exhibit, occupies one-half of the east wing of the United States Government Building. The exhibits in this section are divided into seven departments, namely: Forestry, Education, Ethnology, Fisheries, Mines, Manufactures and Agriculture, and are displayed in alcoves in the order named above. The selection of these exhibits was made with a view to place before the public, primarily, the resources of the Philippine Islands, and to display other individual exhibits which would prove interesting to visitors at the Exposition. The selection was made not so much for quantity as for quality.

In the Forestry exhibit, samples of most of the beautiful woods indigenous to the Islands are to be seen. These woods are of great value to furniture manufacturers, and it is to be hoped that this exhibit will tend to make them better known to the American public. The principal woods exhibited are Ebony, Camagon, Mahogany, Red Cedar, Ipil, Narra, Aele, Tindalo, Molave, Lanete, Cocoanut, Palma Brava, Bamboo and also different species of Rattan. A number of fibrous barks and other fibrous products of the forest, mostly used for home consumption by the native islanders, are also exhibited, together with the famous and delicately scented Ylang-Ylang, the latter used so extensively as a base for the best Parisian perfumes.

The Educational exhibit comprises work of the pupils of the primary and secondary grades, besides industrial school work, together with photographs and views pertaining to the subject.

In the Ethnology department is displayed a collection of weapons, implements and clothing of some of the principal aboriginal tribes, including the Moros, Bagobos, Igorrotes and Negritos.

Models of boats, fish traps, seines, nets and all implements used by the Filipinos in the fishing industry are displayed in the Fisheries department. Pearl oysters from the pearl fisheries of the Sulu group, shells and some stuffed animals typical of the Islands are also shown.

In the Department of Mines are displayed Gold, Silver, Copper and Iron Ores, Coals and Lignites, Sulphur and Salines and Pottery. Native iron castings and copper ingots form also a part of this exhibit.

The exhibit in the Manufactures department comprise baled hemp ready for shipment, manufactured rope, leaf and manufactured tobacco, raw sugar, copra and textiles consisting of cotton cloth and the famous pina, jusi and sinamay fabrics. The distillery industry is also represented in a display of alcohols, rum and other native liquors. Attention is called to the exhibit of native carved furniture, which is especially interesting.

The Agricultural exhibit contains samples of the cereals cultivated in the Islands, including some 350 varieties and sub-varieties of rice. The fibre collection is an interesting one; it contains among other fibres, the famous abaca or Manila hemp, which supplies the world for the manufacture of the best grade of rope. Native farming implements both in natural size and in models are also displayed, showing the manner in which primitive man utilizes such things as he finds about him. Harness and saddles made of hemp are also displayed.

The entire section contains also a large assortment of native hats, baskets, colored woven mats and photographs.

Department of Justice

CECIL CLAY,
Representative

MISS CORNELIA CLAY,
Custodian

THE Department of Justice is charged primarily with the conduct of the legal business of the Government, with a general supervision of the administration of the offices of United States Attorneys, Marshals, Clerks of Courts, and Commissioners, throughout the country, and the care and custody of United States prisoners and penitentiaries. The Attorney-General, who is at the head of the Department, is the legal adviser of the President and of the heads of the Executive Departments, any of whom may request him to render a legal opinion upon matters arising in the conduct of the business of their several departments. By reason of the nature of its functions, therefore, it has, in comparison with the other Executive Departments, very limited resources for making an exhibit of material objects intrinsically attractive to the average Exposition visitor.

The most important feature of the exhibit consists of a collection of rare and curious documents from the files of the Supreme Court and other courts of the United States, showing the curious legal proceedings not generally known to have been had before these courts, and documents relating to cases of national importance and interest, such as the indictments of Aaron Burr, Herman Blennerhasset, Jonathan Dayton and others for treason; papers in the Peralta-Reavis

land fraud case and others. While this part of the exhibit might be supposed to be of no interest to others than members of the legal profession, there is a great deal in it to attract the attention and claim the careful examination of any citizen of average intelligence.

There are also exhibits showing what the Department is doing to properly take care of the Government's prisoners in the most modern and enlightened way. The United States Penitentiaries now in course of construction at Fort Leavenworth, Kansas, and at Atlanta, Georgia, are represented by pictures and plans.

An interesting section of the exhibit includes pieces of handiwork executed by inmates of penal institutions, embracing objects of great variety. Conspicuous among these is a reproduction of the seal of the Department of Justice carved in wood by a prisoner at the Fort Leavenworth Penitentiary.

Around the walls is a complete set of etched portraits of the Attorneys-General, accompanied by short biographical notices, all placed under glass and properly bordered, so as to give the effect of a band of tiles, alternately dark and light in tone.

Here and there have been placed busts of Chief Justices of the United States Supreme Court and other distinguished jurists, some of these being on pedestals and others on brackets. These are plaster copies, moulded from the marble originals in the U. S. Supreme Court room in the Capitol at Washington and are the only copies of which the department knows.

The decoration of the frieze consists of plaques in high relief, the one in the center of each wall being a reproduction of the seal of the Department, the others representing wreaths of laurel leaves each surrounding the name of a distinguished American jurist.

In the exhibit is a plaque, containing a bust of Themis, the Goddess of Justice, blindfolded, encircled by a border of leaves.

Post Office Department

MERRITT O. CHANCE
Representative

GEORGE S. PAULL
Assistant Representative

STAMPS

A COMPLETE collection of United States postage stamps from their introduction in 1847, including the Departmental, Special Delivery, Postage Due and Newspaper and Periodical Stamps. Complete sets of Stamped Envelopes from their introduction in 1853 to the present time.

Sets of Foreign Stamps, Stamped Envelopes and Postal Cards from all stamp-issuing countries of the world.

Collection of entire sheets of postage stamps and proofs before being gummed or cut, showing the process of their manufacture.

MAIL EQUIPMENT

Collection of United States and foreign mail-bags and pouches.

Collection of United States mail locks.

Collection of postmarking and cancelling stamps of the United States and foreign countries.

Collection of mail and letter scales of the United States and foreign countries.

Collection of mail-boxes of the United States and foreign countries.

Models of uniformed mail carriers of the United States and foreign countries, fully equipped with insignia of the service of their respective governments.

Collection of mail carriers' uniforms in use in the leading countries of the world.

MAIL TRANSPORTATION

A collection of models of various vehicles used in transporting mail in this and foreign countries, as follows:

Model of United States railway postal car, completely furnished, one-sixth the size of a regulation car, containing in miniature every detail of equipment of such a car.

Model of the steamship "Southerner," the first steam vessel to carry mail across the Atlantic Ocean.

Model of the steamship "Philadelphia," a type of vessel in use at the present time in carrying ocean mails.

Model of the steamboat "City of St. Louis," a type of vessel employed on the larger rivers of the United States.

Collection of mail-carrying vessels.

Models of mail-wagons in use in the United States and foreign countries.

An old Western mail coach, in actual use for many years in carrying United States mail in the Rocky Mountains.

Model of an Alaskan mail carrier, with sled drawn by seven dogs.

Model of a Star Route Western mail carrier, mounted on horseback, illustrative of the famous "Pony Express Service."

Model of a Porto Rican mail carrier under Spanish rule, mounted on a donkey.

Collection of pictures and photographs of vehicles employed in the United States and foreign countries in the transportation of mails.

Collection of pictures and photographs of mail carriers throughout the world.

Collection of pictures and photographs of post offices in the United States and foreign countries.

HISTORY, RECORDS AND STATISTICS

The growth of the Postal Service has been well illustrated by a display of five old ledgers, kept during the War of the Revolution by the Postmaster General, embodying the accounts of about seventy-five postmasters, all there were at that time, in contrast with a statistical chart, showing the magnitude of the service at the present time.

The post office ledger, in his own handwriting, of Benjamin Franklin, the first Postmaster General of the American Colonies.

Framed statistics of the Postal Service of the United States, showing its magnitude as compared with foreign countries.

Portrait of Benjamin Franklin, the first Postmaster General.

Portrait of George B. Cortelyou, the present Postmaster General.

DEAD LETTER COLLECTION

A large collection of articles which have found their way to the Dead Letter Office, showing the variety of articles that pass through the mails. In this collection are included paintings, photographs, agricultural implements, kitchen utensils, Indian relics, wearing apparel, jewelry, books, papers and trinkets of every description.

There are also a number of articles that have been confiscated because prohibited from the mails by the Postal Laws, among which are deadly weapons, explosive bombs, poisonous reptiles and insects, poisonous liquids and compounds, opium and other articles of like character.

Navy Department

B. F. PETERS

Representative

THE Navy Department's exhibit has been prepared with a view of adequately representing the naval service of the United States in its present organization, embracing representative exhibits from the different bureaus which comprise the Department.

Models of vessels of the United States Navy, including types of battleships, armored and protected cruisers, double turreted monitors, gunboats, torpedo boat destroyers, torpedo boats and old sloops of war.

These models are exact reproductions of the vessels they represent, one forty-eighth of actual size, complete in every detail and bearing the critical inspection of experts. Many of them will prove doubly interesting to the citizens of the various states and cities for which they are named. As a whole the series shows by comparison the progress of the United States Navy for a century.

Another interesting feature of the Department's exhibit is a working model of a graving or dry dock built to a scale of one forty-eighth of actual size, illustrating the type and size of docks at various United States Navy Yards. The model of this dock and basin occupy a space 30 by 9 feet. In connection with the dock is a tank filled with water, representing a basin or harbor, in which a model of the U. S. S. Illinois is undocked and docked each day; the process of undocking and docking a ship being shown in detail. While the visitor views this working model, the flood gates of the dock are opened, filling the dock with water, the caisson is floated out of position, the ship hauled into its berth, the caisson replaced and the dock drained, allowing the ship to settle quietly and safely upon the keel blocks, during which the shoring is put in place. The manner by which a battleship is placed in position for repairs on her hull below the water line, and for the removal of barnacles, etc., etc., is thus completely and clearly demonstrated.

A working model of also one forty-eighth of actual size, of a steel floating dry dock is exhibited to illustrate the type recently installed at the New Orleans Naval Station and the Pensacola Navy Yard, and

that under construction for the Naval Station in the Philippines. This model is afloat in a tank of water with a model of the old Kearsarge built to the same scale. All of the operations incident to the docking of a vessel in a floating dry dock are performed for the enlightenment of the visitors, including the sinking of the dock to the requisite depth, the hauling of the ship into the dock and its centering over the deck of the dry dock while submerged; the raising of the dock until the blocking, previously arranged upon the decks as a resting place for the ship, engage her, and, continuing to rise, lift her above the water level, ready for such examination and repairs as may be necessary. The undocking of the ship is also illustrated, the preceding operations being reversed for this purpose.

The United States Naval Academy at Annapolis, Maryland, where future officers of the Navy—the midshipmen—pursue their studies and receive their military and naval training, and for which Congress appropriated \$10,000,000, is represented in miniature at the scale of one thirty-secondth of an inch to the foot. This model is twelve by six feet, and shows the entire layout of the grounds, buildings, roads, paths, water front, etc., and gives a careful expression of the general character of the buildings. The finer details of carving, decoration, moulding, stone courses, etc., displaying in detail the real architecture of the buildings, is shown by another model, larger in scale, of the new chapel or auditorium, which is one of the principal buildings of the group. These two models give an accurate representation of the work as a whole and in detail.

NAVAL ORDNANCE EXHIBIT

The Naval Ordnance exhibited in the building comprise a model of a longitudinal section of a 13-inch rifle, and actual 5 and 3-inch rifles, 6 pounder, 1 pounder, Colt automatic and Gatling guns, a Whitehead torpedo, various sizes of projectiles, shells and cartridges, some of the latter shown in sections at various stages of manufacture. Models of large caliber guns are also exhibited.

MOTION PICTURES OF NAVAL SCENES

A pleasing, instructive and spectacular exhibit of the Navy afloat and ashore is given in a series of about 60 biograph motion scenes of the life and duties of officers and enlisted men of the United States men-of-war, both in war and peace, as well as stirring, life-like scenes of maneuvers of vessels, torpedo attacks, manipulation and firing of great guns, landing parties, boat races, fire quarters, a naval recruiting office where recruits are given physical and mental examination to test their fitness for the requirements of the naval service, recreations afloat, general muster, etc. A dark room or enclosure 18 by 57 feet, with a seating capacity of about 200 has been specially constructed on the Department's space for the purpose of exhibiting these scenes in groups of ten or twelve at stated hours each day during the Exposition. They are projected in motion form on a canvas 12 by 18 feet, and form an exceedingly rare treat to visitors. It is indeed impossible, except to officers and enlisted men of the Navy under conditions of actual service, to have the opportunity here

afforded of witnessing the life, duties and activities of the United States Navy at sea under conditions approximating actual warfare. There is nothing missing from these realistic scenes excepting the roar of the cannon and the cheers of the men. For visitors who cannot accommodate their time to the stated hours of the large biograph scenes, there is a continuous exhibition of the same pictures displayed in a mutoscope or biogen, in which instrument these motion pictures are shown continuously throughout the day. Among these scenes, doubly interesting, is one showing President Roosevelt, ex-Secretary of the Navy Moody, Admiral of the Navy Dewey, Lieutenant General Chaffee, and Rear Admirals Taylor and Rodgers, departing from the flagship Kearsarge after an official visit to Rear Admiral Barker, commanding the North Atlantic squadron.

Between the exhibitions the screen upon which the moving pictures are projected will be raised, displaying to the visitor several uniformed wax figures of officers and enlisted men of the Navy and Marine Corps.

Around the walls of the exhibit are hung pictures and photographs of navy yards and stations throughout the United States and its insular possessions, ships, docks, etc.

10:30 A. M. Demonstration of the working model of graving dock.

10:45 A. M. Demonstration of the working model of floating dock.

3:45 P. M. Demonstration of the working model of graving dock.

4:00 P. M. Demonstration of the working model of floating dry dock.

Department of the Interior

EDWARD M. DAWSON
Representative.

JAMES C. BOYKIN
Chief Special Agent

GEOLOGICAL SURVEY

Minerals.
Maps.
Relief models.
Charts.
Instruments.
Publications.
Alaskan specimens (minerals).
Engraved plates and lithograph stones.

PATENT OFFICE

Models in operation, showing—
Gray's Telautograph.
Ives System of Color Photography.
Ives Parallax Stereograms.
Davis Electric Piano-Playing Attachment.
Models of harvesters.

BUREAU OF EDUCATION

Maps, charts and photographs.
Education in Alaska.
Publications.

GENERAL LAND OFFICE

Maps.
The trail of Lewis and Clark from St. Louis to the Pacific Coast.
Four water colors.
Original plat of township embracing the City of Portland.
Photographs.
Historical documents.

INDIAN OFFICE

Maps.
Charts.
Models.
Samples of handiwork of Indians.

PENSION OFFICE

Large statistical chart.
Specimens of pension certificates.
Historical documents.
Photographs.

BIOGRAPH AND STEREOPTICON VIEWS

Forty moving (biograph) pictures and 350 stereopticon views are shown in a dark room provided specially for this feature. The biograph pictures were procured during the summer of 1903, and, as may also be said of the stereopticon views, relate to some branch of the Department of the Interior. In the moving pictures, for example, the old Indian and his amusements, ceremonies, dances and industries, are contrasted with the Indian of today at work in the fields and with the Indian children in school. The subjects of the stereopticon views are selected portions of the Yellowstone, Yosemite and other national parks and the Hot Springs Reservation.

PANORAMAS

Three large panoramas painted in oil, occupy a portion of the space assigned to the Department, representing, (1) 20 feet in length, the Yosemite Valley, Yosemite National Park; (2) 18½ feet in length, Yellowstone Falls and Canyon, Yellowstone National Park; and (3) 39 feet long, the Grand Canyon of the Colorado, Grand Canyon Forest Reserve, Arizona.

TRANSPARENCIES

A darkened alcove, lighted artificially, is filled with hand-painted photographic glass transparencies, 30 by 46 inches, representing the field work of different branches of the Department and scenery from reservations under its control.

RECLAMATION SERVICE—(Irrigation Building).

Working models of Salt River and Palouse River projects.

Relief models of the following reclamation projects:—Klamath, Uncompahgre, Gunnison River, Yuma, Lower Colorado River; also of the State of Nebraska, Arkansas River drainage basin and Dakota sandstone.

Current meter in operation.

Outfit for testing water.

Photographs.

Transparencies,

Maps.

Pictures.

Smithsonian Institution and National Museum

F. W. TRUE
Representative

M. W. LYON, Jr.
Chief Special Agent

THE Smithsonian Institution was founded in 1846 by the bequest of James Smithson. Its purpose is well set forth in the brief but expressive words of his will, "for the increase and diffusion of knowledge among men." Besides the Smithsonian Institution proper the following are, by law, under its direction: Bureau of International Exchanges, Astrophysical Observatory, National Zoological Park, Bureau of American Ethnology, and the United States National Museum. As the last of these has the most extensive operations, and as one of its peculiar functions is to make exhibits, the largest part of the Smithsonian space is devoted to it.

SMITHSONIAN INSTITUTION PROPER

This exhibit, placed against the west wall of the Smithsonian space, comprises pictures of James Smithson, founder of the Institution, a facsimile of his will, a cast of the bronze tablet placed on his tomb at Genoa, Italy, and views of the tomb itself, and a photograph of the mortuary chapel in the Smithsonian Institution where Smithson's remains now rest; photographic portraits of the secretaries of the Institution, the chancellors and the regents; papers and medals relating to the Hodgkins Fund; a complete set of the publications of the Institution; an enlarged photograph of the seal, and pictures of Smithsonian and Museum buildings.

BUREAU OF INTERNATIONAL EXCHANGES

This Bureau exhibits a statistical chart showing its operations from its founding to the present time, and photographs of its offices, all of which are hung on the west north wall.

ASTROPHYSICAL OBSERVATORY

This Bureau shows several large charts illustrating the results of its investigations upon solar radiation, the most conspicuous of which is that of the infra-red spectrum. All are placed on the west north wall, together with transparencies representing solar eclipses, sun spots, etc.

NATIONAL ZOOLOGICAL PARK

Just to the west of the north door are shown enlarged photographic views of some of the animals, houses and paddocks, and of a model of the park, as well as maps showing details of the park and its location in the city of Washington.

BUREAU OF AMERICAN ETHNOLOGY

This exhibit representing the researches of one of the ethnologists of the Bureau consists of a series of 55 models and 2 originals of shields and 8 models of tepees of the Kiowa Indians, illustrative of many of their beliefs and customs. The exhibit is placed in the west section of the wall case.

UNITED STATES NATIONAL MUSEUM

I—Department of Anthropology

The exhibit of this department of the Museum is installed in the west section of the Smithsonian space. It comprises reproductions, on a reduced scale, of five of the temples or palaces built by the Indians of the ancient civilizations of Mexico and Yucatan. The structures shown are: Temple of the Cross at Palenque, the Castle at Chitzen-Itza, the Governor's Palace at Uxmal, the Temple of Xochicalco, and a temple at Mitla. Photographs, plans and diagrams of these and other ruins are shown separately, as well as some actual size details of the temples.

II—Department of Geology

This exhibit, placed in the central portion of the Smithsonian space, embraces:

1. A systematic collection of minerals represented by unusually large specimens.

2. An exhibit of meteorites comprising: (a) Plaster casts of three specimens collected by Commander Peary, U. S. N., in North Greenland, the largest one being the greatest mass ever known to have fallen from the sky; (b) a plaster cast of the Bacubirito meteorite in Mexico, another remarkably large piece of nickel iron; (c) a plaster of the Ainsa-Irwin or Tucson (Arizona) meteorite in the form of a ring of iron, the original of which is in the National Museum; (d) a map showing the location of known meteoric falls in the United States; (e) pictures of falling meteorites, and photographs showing the internal structure of stony, iron, and stony-iron meteorites.

3. Representations of some interesting fossil vertebrates or back-boned animals of North America, comprising:

- a. Life-sized restoration of the Armored Dinosaur, *Stegosaurus ungalatus*, showing the supposed external appearance of the animal, based on remains in the National Museum.

- b. Natural-sized restoration of the skeleton of the Three-horned Dinosaur, *Triceratops prorsus*, from the original in the National Museum. On the wall is a large oil painting representing its external appearance in its native surroundings.

- c. Pictures showing skeletons or restorations of other dinosaurs, of an ichthyosaur, of a pterydaetyle or flying reptile, and of an extinct toothed diving bird.

III—Department of Biology

This department, placed at the east end of the Smithsonian space, shows:

1. A nearly complete skeleton of the Dodo, *Didus ineptus*, a flight-

less member of the pigeon family as large as a goose, once common on the Island of Mauritius, but completely exterminated in the sixteenth century by hogs introduced on the island, and by the Dutch sailors who discovered it. A few living birds were brought to Holland by sea captains and from these at least four different pictures were painted by various artists. One of the best of these, a life-sized profile, is in the British Museum, and an exact reproduction of it is shown near the skeleton.

2. A complete skeleton (made up from bones of many individuals) of the Great Auk, *Plautus impennis*. This bird was once common on certain islands of the North Atlantic, but owing to merciless slaughter by sailors and others as food, it was completely exterminated by the middle of the last century. A cast of its egg and a natural-sized photograph of the mounted specimen in the National Museum are also exhibited.

3. A collection of birds' eggs from all parts of the world. It includes eggs of common birds, bright colored eggs, eggs of the hummingbird, the smallest, and a cast of the largest egg known, that of the *Aepyornis*, an extinct bird of Madagascar.

4. A series of bright colored pheasants of the old world, including a pair each of three species of peafowl.

5. A mounted alligator and crocodile, placed opposite one another in order to show clearly the differences between the largest existing American reptiles.

6. A group of some large game animals of Europe, Asia and Africa: Chamois, Norway Elk, and Moufflon; Manchurian Tiger, Marco Polo Sheep, Axis Deer, and Sambur Stag; Lion and Rhinoceros. In addition to these, mounted heads of the Nilghi, Greater and Lesser Kudu, Jackson's Hartebeeste, Beisa and Ibex, and antlers of the American Elk and Caribou are hung on the wall.

7. At various places on the wall of the Smithsonian Exhibit are placed a number of plates taken from Audubon's work on North American birds, among them one of the Great Auk. Another series of pictures are photographs showing the making of a cast of a Sulphurbottom Whale at Balaena, Newfoundland.

8. Suspended over the center of the Smithsonian space, a skeleton of an adult Little Piked Whale, *Balaenoptera rostrata*.

Library of Congress

C. H. HASTINGS
Representative

G. T. RITCHIE
Special Agent

THE exhibit of the Library of Congress occupies one-half of the apse at the west end of the main building. The exhibit of the American Library Association is combined with it. Exhibits are listed below under the Divisions by which they were contributed.

OFFICE OF THE SUPERINTENDENT

Model of the Library of Congress, showing east half of the build-

ing, with cross section through the center from north to south. The model is on a scale of one-fourth inch to the foot. The length of the building, as represented by the cross section, is 486 feet.

DIVISION OF MAPS AND CHARTS

Old and rare maps of the world. Maps showing a variety of delineations of the Pacific Coast.

DIVISION OF MANUSCRIPTS

Autograph letters of Washington, Lincoln, Lewis, Clark, Paul Jones and other distinguished Americans. Broad-sides, political and personal.

DIVISION OF MUSIC

Collection of Civil War songs in the original editions. Books and pamphlets advocating reform in musical notation. Histories of music. Works of modern composers.

ORDER DIVISION AND PUBLICATIONS

Reproduction of a section of the accessions catalog of the Order Division. Collection of the publications of the Library since 1897.

Collection of blanks and forms used in the Library of Congress.

DIVISION OF PRINTS

Portraits of President Polk.

Drawings, pictures and plans of American libraries.

DIVISION OF PRINTED BOOKS

Photographs of rare books in the Library of Congress. Collection of pamphlets on the "Oregon Question."

READING ROOM FOR THE BLIND

Books for the blind. Apparatus for the instruction and amusement of the blind.

BIBLIOGRAPHY DIVISION

Bibliographies and select lists of books compiled by this Division.

BINDERY DIVISION

Collection of books bound and in sheets, illustrating methods of binding at the Library of Congress.

COPYRIGHT OFFICE

Transparencies illustrative of the Copyright Office and its work.

CATALOG DIVISION

Collection of the old catalogs of the Library of Congress, showing the evolution of the present public card catalog. Author catalog containing one copy of each printed card in stock at the Library of Congress. Miscellaneous catalogs designed to show how the cards are used at the Library of Congress and by other libraries. Four kinds of catalogs made up from the special edition of cards for books in the 1904 edition of the A. L. A. catalog.

CARD SECTION

Transparencies illustrating the production, distribution and use of the L. C. cards. Traveling catalog of the cards.

AMERICAN LIBRARY ASSOCIATION

Card catalogs and publications representing the work of the A. L. A. Publishing Board. Collection of publications, reports, picture bulletins, etc., from library schools. Traveling libraries, publications, and photographs from state library commissions. Sample card catalog from John Crerar Library, Chicago. Condensed shelf list from Grosvenor Library, Buffalo, N. Y. Collection of blanks and forms used in leading American libraries.

Publications for Distribution

A pamphlet on "The Library of Congress and its work" and others relating to the work of the Card Section, the Copyright Office and leading American library schools are distributed gratis.

International Bureau American Republics

United States Government Board

WILLIAMS C. FOX

Representative

THE International Bureau of the American Republics, which is composed of all Latin-American countries, both of Central and South America, and the United States, representing the International Union of the American Republics, was established by the First International Conference held in Washington in 1890, for the purpose of obtaining closer relations between all Latin-American countries. It was reorganized by the Second International Conference held in Mexico City in 1901 and its scope widened by many new and important duties. The Bureau is governed by a Governing Board composed of the several American Ministers to the United States having the Honorable Secretary of State as Chairman ex-officio. The Bureau has as its head a Director, under whom all work

of the Department is carried on. The Bureau during its course of existence has had several Directors, the present Director being the Hon. Williams C. Fox, former chief clerk.

EXHIBIT

In preparing the exhibit of the Bureau an effort has been made to indicate figuratively as far as possible the work in which it is engaged, as well as to illustrate certain important matters of deepest interest to all the Republics of the American hemisphere. The chief work of the Bureau is to show a collection of its publications and numerous maps, prepared and issued under its auspices. A feature of the exhibit is a fine collection of Columbiana, consisting of maps, rare books, paintings, many photographs and engravings illustrative of the earliest history of and showing the present progress and condition in Latin-America.

The great work of constructing the Panama Canal, being the most important undertaking of the century, is illustrated by a relief map, together with an interesting collection of various data concerning it.

The projected intercontinental railway is represented by a relief map, together with interesting and well chosen samples, geographically arranged, of the chief products of the countries through which the railroad will pass.

Facsimiles of the Declaration of Independence and copies of the constitutions of the several American Republics are shown.

There are pictures of many leading men of Latin-America and portraits of the members of the First and Second International Conferences, the former held in Washington in 1890 and the latter in Mexico City in 1901.

There are also portraits of the men forming the several International Commissions, and the delegates to subsidiary conferences held in the interest of American progress.

A particularly interesting feature of the exhibit is a reproduction of the mammoth painting of the Hague Conference executed by the celebrated French artist, M. Toché, under commission from the government of France, and designed to be placed in the "Palace of Peace," in which the International Court of Arbitration will sit, the funds for the construction of which were donated to the Netherlands by Andrew Carnegie.

District of Alaska

GOV. JOHN G. BRADY
Executive Commissioner

JOSEPH B. MARVIN
Chief Special Agent in Charge of Exhibit

The act of congress which made an appropriation for the Alaska exhibit provided that the sum appropriated should be expended by the Honorable Secretary of the Interior in such manner as in his judgment would best promote the objects for which the sum was appropriated, and the exhibit though relating exclusively to the resources and products of Alaska, forms in fact, a part of the Interior Department exhibit.

The exhibit occupies one-half of the east wing of the United States government building.

One of the most impressive and significant exhibits consists of a gilded cube about three feet in diameter, representing the size of a block of gold worth \$7,200,000.00, which is the amount paid by the United States to Russia for Alaska, and beside it, enclosed in a brass railing, a gilded pyramid of blocks representing the amount of gold taken each year since 1882, from the Treadwell mine in Alaska, aggregating \$21,800,000.00, a sum which is three times the amount paid for Alaska, taken from one mine.

The ore exhibit, especially of gold, copper and tin ores is very large, filling a glass case 75 feet long and 5 feet high. These ores were collected by an expert mineralogist, and include specimens from nearly all the mines in Alaska. The mineral exhibit includes a very fine collection of marble from Prince of Wales Island. It also includes specimens of semi-anthracite coal and of petroleum from Kayak. These, and the tin ores are among the recent most valuable discoveries in Alaska.

It has been commonly supposed that Alaska was not a grain producing region; but this popular error is corrected by a very full display of cereals grown in Alaska. There are likewise shown specimens and models of vegetables and jars of fruits and berries. The wild flowers of the District are beautifully illustrated by pressed specimens in great variety.

The natural history of the District of Alaska is very fully illustrated by mounted specimens of various animals and birds. There is, also, a large collection of furs, including furs of the bear, wolf, fox, otter, mink, martin, ermine and seal, and there are shown, in this connection, garments made of various animal skins.

The educational exhibit comprises work of the pupils of both the white and native schools of Alaska in the various grades, and in industrial school work.

The department of art includes a very valuable collection of oil and water color paintings of views in Alaska, together with transparencies and photographs showing Alaskan scenes.

In the department of ethnology there is shown a very large and valuable collection of Indian curios and totem poles together with a fine collection of Indian baskets.

A topographical map of the district forms one of the most instructive exhibits. From this and the information afforded by attendants, who are citizens of Alaska, visitors become acquainted with the fact hitherto unknown even to many people of the United States, that Alaska has an area of 329,529,000 acres, being many times larger than the largest state in the Union; that it has 26,000 miles of sea coast, and that thousands of miles of this coast are warmed by the Japan Currents, rendering the climate of Southern Alaska more mild than many other portions of the United States in lower latitude.

Department of Agriculture

S. R. BURCH,
Representative.

H. H. BRIGHAM,
Chief Special Agent

THE Department of Agriculture presents exhibits from the following-named of its Bureaus: Weather Bureau, Bureau of Animal Industry, Bureau of Plant Industry, Office of Experiment Stations, Bureau of Entomology, Bureau of Soils, and Bureau of Forestry.

WEATHER BUREAU

This exhibit consists of a regular "working" Weather Bureau office. Many self-recording instruments are shown in actual operation. Rain gauges, thermometers, wind vanes, sunshine recorders, anemometers, etc., are installed on the roof of the Government Building, and are all electrically connected with registers on the exhibit space indoors. Duplicates of the instruments themselves are also shown within, many of them being connected up on short circuit. Weather reports from all sections of the United States are received by telegraph each morning, and charted on a large glass map. Forecast cards are then printed for distribution to visitors, giving the weather expected at Portland during the following 36 hours. A full-size kite used by the Weather Bureau in its special aerial investigations is shown, with automatic instruments in position. Storm warning lanterns and a model tower for displaying them are exhibited. Climatic and meteorological charts, photographs, etc., complete the exhibit.

BUREAU OF ANIMAL INDUSTRY

The exhibit of this Bureau is designed to illustrate in a general way the character, variety and extent of its work, and to indicate what the Bureau does for the benefit of the farmer and stock raiser and for the consumer of animal products. The Bureau is principally engaged in the inspection of meat to prevent the shipment from one state to another or to foreign countries of that which is diseased or unwholesome; in the investigation of animal diseases; in the enforcement of measures for the prevention and eradication of contagious diseases of animals; in the inspection of animals for export and the supervision of their loading and of the vessels carrying them; in the inspection and quarantine of imported live stock; in the inspection of dairy products for export and of renovated butter factories; and the investigation of and the dissemination of information concerning the methods employed in modern dairying to produce clean and wholesome milk.

Plaster casts of sides of beef to show inspection marks.

Moving pictures illustrating some of the features of the Bureau.

Model of stock yard to show manner of tagging.

Mounted sheep showing effect of scabice.

Model sheep-dipping plant.

BUREAU OF PLANT INDUSTRY

The exhibits of the Bureau of Plant Industry are located just to the left of the main entrance to the Government Building extending westward along the center aisle, covering a floor space of about 1800 square feet. The object of the exhibit is to illustrate the many lines of investigation and research conducted by the Bureau, and the material displayed consists of samples or specimens contained in 23 table and pavilion cases, photographs, colored drawings and transparencies; the latter, 72 in number, are arranged in a large pavilion especially constructed for the purpose and located in the center of the space occupied by the Bureau.

Vegetable Pathological and Physiological Investigations

The portion of the exhibit of the Bureau of Plant Industry devoted to pathology and physiology consists of one case devoted to the principal diseases of cultivated crops, and hanging upon walls are 20 large colored illustrations of plant and fruit diseases; one case illustrating the relation of bacteria to the fixation of atmospheric nitrogen, also the method of preparing the inoculating material for the use of the farmer and the manner of applying it to the seeds of leguminous plants; two cases are devoted to illustrating the investigations carried on by the department in sugar beets and sugar beet products; one case illustrates the work of mushroom growing, the manner in which the "spawn" is prepared and the formation of the flat and the ridge beds are shown; one case shows some of the work accomplished in the improvement of plants by breeding—various improved types of cotton, the advance made in the production of hardy oranges, the improvements secured in pineapples and the methods of improving corn are all illustrated by samples or photographs.

Botanical Investigations and Experiments

This exhibit consists of a seed laboratory, designed to show the methods used and to illustrate the practical results which follow seed testing.

An examination of the results of the tests shown in a series of samples exhibited emphasizes the well-established fact that the best quality is always the most economical as the pure seed that will grow actually costs less when a good grade is purchased than when a medium or poor grade is bought.

The exhibits of drugs and medicinal plants are shown in small quantities in glass containers filling one pavilion case.

The poisonous plant exhibit consists of water-color illustrations of over fifty poisonous plants, in two groups, one representing those chiefly poisonous to man and the other those poisonous to stock. In some cases, especially in the former class, plants which are sought, and for which poisonous plants are sometimes mistaken, are also exhibited. This subject is further illustrated by one pavilion case wherein are shown the methods used in counteracting the effects of poisons; the active principles of a number of poisonous plants and a number of samples of the crude material of these plants are shown.

Seed and Plant Introduction and Distribution

This exhibit consists of specimens, photographs, transparencies of some of the foreign plants which have either been successfully introduced into America and have now become a part of the agriculture of the country, or of such as, for the preliminary work already done upon them, are deemed worthy of the serious attention of American agriculturists.

Cereal Investigations

This exhibit consists of photographs and transparencies and a large number of cereals, showing the most important varieties that have so far been obtained, including varieties of durum (macaroni) wheat, Japanese rice, Swedish select oat, emmer, three important varieties of Russian proso (broomcorn millet,) and several other varieties of oats, barley and buckwheat.

Fiber-Plant Investigations

Two pavilion cases, one containing samples of hard fibers—manila, sisal, New Zealand, Mauritius and istle—used chiefly for binder twine, rope and cordage, and the other containing samples of typical cottons and the soft fibers—hemp, jute, flax and ramie. Transparencies illustrating a number of the more important fiber plants are shown in the central pavilion.

Grass and Forage Plant Investigations

Seeds of about forty of the leading forage crops are displayed in large glass jars: in smaller jars are shown seeds of many varieties of cowpeas, soy beans, sorghums and millets. Farm demonstration work, improvement of the cattle ranges and methods used to control drifting sands are illustrated by transparencies in the central pavilion.

Pomological Investigations

This exhibit consists of 24 water color paintings of various fruits, and six pavilion cases illustrating investigations in fruit marketing and storage. Here are shown, in models, standard grades of apples, summer apples, pears and peaches packed for export, the influence of the soil and age of the tree on the fruit kept in cold storage, influence of the maturity of apples on development of scald in storage, influence of temperature and of wrappers, influence of the type of package used and the influence of delay between picking and storing the fruit.

OFFICE OF EXPERIMENT STATIONS

The exhibit of the Office of Experiment Stations is designed to illustrate the work of the Office in the supervision of the Agricultural Experiment Stations throughout the United States and its colonies. To show the extent of official agricultural literature the exhibit contains a complete set of the bulletins and reports of the various experiment stations and of the Office, embracing over 600 volumes. A card index containing 24,000 cards, giving references to these publications, is also on exhibit.

An exhibit from the Alaska Experiment Station contains samples of cereal grains, vegetables, and wild and cultivated fruits grown in different parts of the Territory from Sitka northward nearly to the Arctic Circle.

The agricultural and horticultural resources of Hawaii and Porto Rico are indicated by a collection of fruits, nuts, fibres and vegetables grown in those territories.

The nutrition work of the Office is illustrated by exhibits showing sample fruitarian rations, losses in cooking meat by different methods, the digestibility of bread from different kinds of flour, and the composition of certain common food stuffs.

In the irrigation exhibit of the Office the operation of water registers, current meters, flume, and headgate is shown.

BUREAU OF ENTOMOLOGY

The main purpose of the exhibit of the Bureau of Entomology is to illustrate the purely economic side of insect life.

Conservative estimates indicate that insect pests in this country destroy farm products to the value of three hundred million dollars annually, and were proper methods of control universally neglected, this damage would amount to one-half as much again.

The main object kept in mind, therefore, has been to make the exhibit of the Bureau serve as a means of information about these injurious insects.

The exhibit consists of displays of the more injurious insect pests of the country. These illustrate all the stages of the more common insect enemies in agriculture, horticulture and forestry. Insects which affect important Pacific Coast industries, such as fruit culture, lumbering, etc., are given special prominence.

The insects are sub-divided according to the crops injured. One group consists of fruit tree insects; another group comprises field crop insects; another group covers insects injurious to small fruits; several cases are devoted to the insect enemies of truck crops; two cases are devoted to the insects which affect stored products. Much space is given to the insects which are destructive to forests and forest products. A special case also is devoted to household insect pests of all kinds.

Many of our most important insects are of very small size, and on this account would attract little attention in an exhibit. To obviate this, enlarged models of a number of well known insects, injurious and beneficial, and of the work done by them, help to call attention to their importance, and give the visitor a good idea of their structure and appearance.

Fully as dangerous to the welfare of man are insects which act as carriers of diseases of man and animals; for example, mosquitoes in relation to malaria and yellow fever and flies to typhoid fever. A special exhibit of these insects is made. Related to these, although not known to spread disease, are many insects which annoy or directly injure human beings and domestic animals.

Another feature is the exhibition of living insects in glass cages, on their natural food plants, feeding, and undergoing their transformations. There are also aquaria containing the immature stages of mosquitoes found commonly on the Pacific Coast.

A complete catalogue of the insect exhibit, containing much of the information given on the labels, and referring to the best and most accessible articles on the insects shown, will be distributed to those interested.

BUREAU OF SOILS

The exhibit of this Bureau illustrates the two main branches of the Bureau's work; the soil survey and alkali land reclamation.

The principal object in the soil survey work is to classify and map the soils of the United States according to their agricultural value. By means of the soil maps and the reports which accompany them it is possible for persons desiring to settle in any area which the Bureau has surveyed to locate on the soil adapted to their special industry. By being able to pick out the best soils for wheat and grasses, corn, tobacco, apples, peaches, berries, etc., one is saved the time and expense which might otherwise be necessary to experiment with the soil and determine to what crop it is best adapted. This work is illustrated by a relief map, or model, of the Albemarle area, Virginia, showing 18 separate soil types, the greatest number yet found in any one survey; by soil, alkali, and underground-water maps of all areas surveyed in the Pacific Coast and Rocky Mountain States, by samples of 24 of the more important soils from the same region, and by enlarged photographs illustrating the different methods of soil formation, agricultural methods and conditions, and crops grown in different parts of the United States.

The object of the alkali land reclamation work is to demonstrate, on tracts of from 20 to 50 acres located in different parts of the arid west, that the worst of alkali lands can be reclaimed and made productive. This is accomplished by providing an adequate under-drainage at a depth of about five feet, and then copiously flooding the land for a period of several months. By this method the alkali salts are dissolved and carried downward through the soil and out the drains. On one 40-acre tract nearly 4,500 tons of alkali salts were removed during one season. Land reclaimed by this method can not become alkaline again so long as the drains remain open, since they keep the underground or seepage water down to their level and thus prevent the alkali salts from reaching the surface of the soil. This work is illustrated by two models. One shows the difference between badly alkaline land, partially reclaimed land, and fully reclaimed land on which a crop is growing. The other illustrates in detail the method of digging the ditches and installing the tile; how the land is "checked up" for flooding; and has a stream of water flowing into these checks, passing downward, and being discharged through the drain tile.

Forestry and Irrigation.

Two services of the U. S. Government that are closely related and of great importance to the west have exhibits located in a building just east of the main government building.

The Forest Service

All government forest work is under the charge of the Forest

Service, which deals with problems of state and national forest policy and with the conservative management by use of national, state, and private forests. A series of 250 large colored transparencies and bromide photographs illustrate and explain important forest problems, and the forest conditions, typical forests, and forest trees of the United States. The various field and laboratory investigations conducted are further explained and illustrated by models, charts, apparatus and wood specimens which show the mechanical strength of different species and the methods of treatment to prevent decay. A testing machine in operation on stated days will show the method of determining the strength of structural timbers. A special feature of the Forest Service exhibit is to explain what forestry is and to call attention to the practical assistance which it is offering by advice, free literature to every one directly and indirectly interested in forest work.

The Reclamation Service is expending a fund of over twenty-five millions in the irrigation of the arid lands of the west. Various models show the different projects now being constructed or investigated and a large number of photographs add to the general interest. Various attendants are present to explain the models and the laws under which houses may be obtained for the settlers.

The Department of Commerce and Labor

FRANK H. HITCHCOCK
Representative

A. H. BALDWIN
Chief Agent

SPACE

12,000 square feet in the western wing of the Government Building.

2,000 square feet in the main Government Building.

1,800 square feet in the Fish Cultural Building, annex to west wing.

BUREAU OF THE CENSUS

(Main Government Building)

Exhibits

16 wall maps, covering from 1790 to 1900; negro statistics; foreign born statistics; statistics of products, and manufactures.

7 diagrams, showing percentage of deaths in 1900, cotton production, classification of occupations, value of manufactured products, total population, constituents of the population of cities of 100,000, proportion of each leading nationality.

BUREAU OF IMMIGRATION

(West Wing of Government Building)

Exhibit: Charts, photographs, etc.

LIGHTHOUSE BOARD

(Main Government Building)

Exhibits

- 1 first order lens apparatus with lamp, burner, etc., complete.
- 1 third order revolving lens, apparatus, complete.
- 1 fourth order lens apparatus (lens and pedestal).
- 1 lamp for fourth order lens.
- Model of Fowey Rocks Light Station.
- Model of Five Fathom Bank Light Vessel, No. 51.
- 2 lens lanterns, 1 one day, 1 five day.
- 2 post lanterns.
- 1 Daboll trumpet with reed box.
- 1 each, siren, trumpet and automatic signal.
- 1 Stevens fog-bell striking machine, complete.
- 1 Gamewell fog-bell striking machine, complete.
- Model of Minot's Ledge Light Station.
- Model of Tillamook Lighthouse.

BUREAU OF FISHERIES

(West Wing Government Building)

PRESENT FUNCTIONS AND ORGANIZATION

- (1) The multiplication of useful food animals and the stocking of water therewith.
- (2) Investigation with reference to biological and physical problems.
- (3) Investigation of present and past methods of the fisheries and the collection of statistics.

Exhibits

I—GENERAL

- Portraits of the Commissioners.
- Publications of the Commission.
- The propagation and distribution of food fishes.
- Practical fish-cultural operations.
- Demonstrations of methods of hatching fish eggs and of holding the fry, throughout the Exposition: (a) Eggs of shad, pike, perch, white fish, etc., hatching in jars; (b) eggs of salmon, trout, grayling, etc., hatching on trays; (c) fry of these fishes in aquaria and in troughs. (See also Fish Cultural Building, annex to west wing.)
- Mutoscope demonstrations of fish-cultural methods and operations.
- Model of Clackamas River, Oregon.
- Improved Cail Fishway.

II—FISH CULTURE

Chart illustrating the effects of artificial propagation on the shad fisheries.

Apparatus for Transporting Eggs—Clark white-fish egg box; An-nin's egg-transportation box; Atkin's transportation box; Seagle's egg-transportation box; McDonald's egg-transportation crate.

Apparatus and Accessories for Transporting Fry—Model of United States Fish Commission Car No. 3 (scale of 1 inch to the foot); transportation can; galvanized iron transportation tank; tin pail for rock bass; Bucksport transportation can; messenger bucket; quartz dipper; siphon cage; tin siphon funnel; siphon tube; pocket thermometer; model of hatching barge; cod box; model of plunging buckets; McDonald's Y-shaped hatching box; Williamson hatching trough with Stone salmon basket; trout trough with wire trays; Ferguson hatching jar; Atkin's hatching crate; McDonald hatching jar, old style; Chase hatching jar; Clark hatching jar; McDonald white-fish jar; McDonald's universal hatching jar; aquaria; hand dip net (aluminum); trough net; white-fish dip net; jar scaff net; scaff net; siphon cage; siphon cup; egg funnel; tally board; liver strainer; perforated ladle; perforated dipper, used in handling trout eggs during incubation; Seagle hatching trough; egg nippers; Page's egg scale; measure for counting white-fish eggs; feathers, used in cleaning and manipulating trout and salmon eggs.

Outfit and Apparatus for Collecting Fish Eggs—The spawn taker; spawn-taker's bucket; spawning pans; Collin's egg pan; salmon spawning box or jacket.

III—SCIENTIFIC RESEARCH

Vessels and Appliances for Deep-Sea, Pelagic, Shore and Fresh-Water Investigations—Model of the Albatross; model of the Fish Hawk; Tanner sounding machine and instruments for deep-sea physical research; Tanner improved navigational sounding machine; beam trawl; tangle bars; Chester rake dredge; Smith rake dredge; large boat dredge; small boat dredge; surface tow net (3½ feet); Tanner intermediate tow-net for taking specimens at known depths; Towns-end intermediate tow net; surface tow net (silk gauze).

Used for Catching Small and Microscopic Organisms at the Surface—Baird seine; gill nets; dip nets, scrape nets, etc.; collecting tank and chest; portable collecting outfit.

Special Oyster Investigations—Eastern oyster, anatomy, growth and enemies; Eastern oysters attached to various objects; Pacific oysters; oyster culture.

Experiments in Sponge Culture—Specimen of bottom from the sponge grounds; sheepswool, yellow, grass and glove sponges; sponge cultivation.

Models illustrating the early stages of development of a trout.

Plates illustrating some diseases and abnormalities of fishes.

One frame of plates from United States Fish Commission publications, illustrating the embryology of the common lobster, *Homarus Americanus*.

Three frames of colored plates of fishes of Porto Rico, from publications of the United States Fish Commission.

Two swinging screens of colored and plain plates of fishes of the Hawaiian Islands, from publications of United States Fish Commission.

IV—APPARATUS, METHODS AND STATISTICS OF FISHERIES

Model illustrating fishing scenes on the New England Coast.

United States Fish Commission schooner Grampus (rigged model, scale $\frac{1}{2}$ inch to 1 foot).

Models of Fishing Vessels and Boats—New England mackerel seining schooner (rigged model, scale $\frac{1}{2}$ inch to 1 foot); New England market fishing schooner (rigged model, scale $\frac{1}{2}$ inch to 1 foot); New England Grand Bank schooner (rigged model, scale $\frac{1}{2}$ inch to 1 foot); Chesapeake Bay oyster puny (rigged model, scale $\frac{1}{2}$ inch to 1 foot); New Orleans fishing lugger (rigged model, scale 1 inch to 1 foot); Key West smackee (rigged model, 1 inch to 1 foot); Connecticut oyster steamer (rigged model, scale $\frac{1}{2}$ inch to 1 foot); market steamer Golden Gate (rigged model, scale $\frac{1}{2}$ inch to 1 foot); steam schooner Royal (rigged model, scale $\frac{1}{2}$ inch to 1 foot); New England dory; Croatan Sound fishing boat (rigged model, scale 1 inch to 1 foot); pound-net boat, used on Great Lakes in lifting pound and trap nets.

Nets, Traps, Pots, Etc.—Irish drop net (this net is used by the Irish fishermen in Boston and other New England towns in capturing perch for the fresh-fish market); snap net (used for catching cunners on the New England coast); crab net (used for catching crabs); terrapin net (used on the Pacific Coast); cast net ($4\frac{1}{2}$ feet, $\frac{5}{8}$ -inch mesh, mounted; used on Atlantic Coast, chiefly for catching shrimp, though also for fishes); cast net ($4\frac{1}{2}$ feet, $1\frac{1}{4}$ -inch mesh, mounted); bag seine (model); river seine (model); purse seine (model); minnow seine; Capelin seine (model); cod seine (model); herring seine (model); cod trap (model); Lake Erie pound net (model); bass trap (model); Rose floating trap (model); heart trap or weir (model); small fyke; eel fyke; small flounder fyke; blue-fish gill net (model); shad drift gill net (model); salmon gill net (model); herring gill net (model); cod gill net (model); shad gill net (completely rigged, 5-inch mesh, 100 feet long); white-fish gill net (completely rigged, ordinary sized mesh, 100 feet long); sturgeon net (ordinary sized mesh, completely rigged, 100 feet long); cod gill net (completely rigged, usual sized mesh, 100 feet long); salmon gill net (completely rigged, usual sized mesh, 100 feet long); herring gill net; linen dip nets; cotton dip nets; eel pot; wire eel pot; wicker eel pot; lobster pot (rounded top); lobster pot (flat top); lobster pot (Cohasset); lobster trap; eel pot (used in the capture of eels on the New England Coast); dip net.

Model of Columbia River Stationary Fish Wheel—These wheels are used along the Columbia River from the falls at Celilo to a point as far downstream as Corbett's Landing, Oregon.

Lines—Sturgeon set line.

Appliances for Dredging and Seining—Oyster dredge; oyster scrape; scallop dredge; clam or quahog rake; sea horse; deep-water oyster tongs, used in water 30 to 200 feet deep; oyster tongs; oyster nippers; clam fork (used in digging clams on shore); clam hoe (used in digging clams).

Model of Florida Sponge Fishery—Sponge hooks and water glass.

Whaling Apparatus—Rocket gun; Brand gun, No. 2; darting gun; California gun harpoon; Allen's gun harpoon; swivel gun harpoon; Pierce's darting-gun harpoon; explosive gun lance; rifled whaling

gun; whaleman's swivel gun; Brown's whaling gun; Brand gun, No. 1; shoulder gun, with brass stock; breech-loading whaling gun; the Cunningham darting gun; darting gun; bursted barrel of a whaleman's darting gun; improved breech-loading tonite hammerless darting gun; Freeman's bomb harpoon; Pierce's darting bomb; Mason's harpoon bomb; Pierce's bomb lance; Allen's bomb lance; Cunningham & Cogan's bomb lance; Kelleher's hand bomb lance; Brand's bomb lance, No. 3; improved darting gun, bomb lance and cartridge, combined; whaleman's hand lance; whale hand lance; toggle iron; seal lance (long head, diamond point); seal lance (a short shank); seal lance (a lance for killing seal, sea elephant, or walrus); grappling iron; boat spade; cutting spade (for cutting blubber from whale into pieces to mince); head spade (used to disjoint the head); throat spade (used to cut off the throat); boarding knife (for boring hole in blubber and to make it fast for hoisting on ship); mincing knife (used in mincing blubber to try out); pike (used to pitch the blubber); gaff (for hauling the blubber); blubber hook (used to hoist blubber on deck).

Appliances for Striking—Model of sword-fish fisherman in act of striking with harpoon; sword-fish harpoon; eel spears; turtle spear; turtle pegs.

Fishing Accessories—Hooks; swivels; leads and sinkers.

MUTASCOPE PICTURES OF FISHING SCENES

Lifting a shad pound net, Albemarle Sound, N. C.
 Landing a shad seine, Albemarle Sound, N. C.
 Boating a shad seine, Albemarle Sound, N. C.
 Lifting a lobster pot, Kittery Point, Maine.
 Catching cod, Kittery Point, Maine.
 Unloading a cod vessel, T wharf, Boston, Mass.
 Unloading a halibut vessel, Gloucester, Mass.
 View of Fulton Fish Market, New York, on a busy day.
 Capt. Paul Boynton feeding sea lions, Coney Island, N. Y.
 Catching, preparing and canning salmon on Columbia River near Astoria, Oregon (9 reels).
 Angling for large mouth black bass, Ocoquan, Virginia.
 Angling for black bass, Muskota Lakes, Ontario.

STATISTICAL CHART OF UNITED STATES FISHERIES

Apparatus Used in Angling

Tackle for black bass fly fishing.
 Tackle for black bass and pike perch fishing.
 Tackle for black bass fishing with short frog and lure casting rod.
 Tackle for trolling for black bass and large trout.
 Tackle for rock bass and crappie fishing.
 Tackle for trout bait fishing.
 Tackle for trout and grayling fly fishing.
 Tackle for striped bass (large fish) fishing.
 Tackle for salmon fishing.
 Tackle for tarpon and other heavy fishing.

V—OBJECTS AND PRODUCTS OF THE FISHERIES

Fishes

Stuffed and painted skins of fishes.

Illustrations of food fishes, Hawaiian Islands and Porto Rico.

Reptiles

5 specimens diamond-back terrapin (*Malaclemmys*), common in salt marshes along the coast from Massachusetts to Texas.

1 specimen soft-shelled tortoise, species of which are found generally throughout the United States east of the Rocky Mountains.

5 specimens fresh-water terrapins or sliders, found in many parts of the United States.

6 specimens pond and wood tortoises, common generally in the United States.

Economic crustacea of the United States and Porto Rico.

Economic mollusca of the United States.

Eastern oysters from principal beds of Atlantic and Pacific Coasts.

Sponges

Sheepswool sponges from Gulf of Mexico.

Sheepswool sponges from Florida Keys.

Velvet or boat sponges from Florida Keys.

Yellow sponges from Florida Keys.

Yellow sponges from Gulf of Mexico.

Grass sponges from Gulf of Mexico.

Grass sponges from Florida Keys.

Glove sponges from Florida Keys.

Wire or bastard sheepswool sponges from Florida Keys.

Sheepswool sponges, artificially bleached.

Yellow sponges of various kinds, artificially bleached.

Velvet or boat sponges, artificially bleached.

Key grass sponges, artificially bleached.

Rock Island grass sponges, artificially bleached.

Glove sponges, artificially bleached.

Sponge clippings.

Sheepswool sponges, baled for the market.

Yellow sponges, baled for the market.

Grass sponges, baled for the market.

Bleached sheepswool sponges, baled for the market.

Products of the Fisheries

Preserved by canning, salting, pickling and smoking.

Leathers, such as alligator skins, tanned and dyed; alligator claw, tanned; beaver skins, tanned; crocodile skins, tanned; dog-fish skins; eel skins, tanned; frog skins, tanned; gar skins; manatee leather; porpoise leather; ray skin; seal skins, tanned and dyed; seal leather; sea lion leather; sea lion skin; sturgeon skins; white whale skins; wolf-fish skins; whale leather; walrus leather.

Bone and shell.

Fertilizers, prepared for special purposes from the waste of glue factories; from fish waste and offal; of Menhaden fish scrap; lake

fish scrap; herring guano; salmon guano; king crab meal; ground mussel shells; shrimp skin dried for fertilizer by Chinese in California.

Oils and fats.

Glues and isinglass.

Pearls and naere.

Seaweeds useful for food, fertilizers, etc.

Sundry products: Dessicated fish; crushed mussel shells; cuttle fish bone; dried shrimp; dried abalone meat; dried cuttle fish; dried squid; dried spinal cord of sturgeon.

Salt used for curing fish.

Manufacture of pearl buttons and ornaments from marine shells.

Mussel fishery and pearl-button industry of the Mississippi Valley.

Manufacture of buttons: 18 shells from which blanks have been marked and cut; blanks, rough, ground, faced, shaped, drilled and polished; finished buttons; photographs illustrating button manufacturing, and apparatus and methods of fishing for fresh-water mussels.

VI—THE AQUARIUM

COAST AND GEODETIC SURVEY

(West Wing of Government Building)

EXHIBITS

Engineer's wye level.

Theodolites.

Flash apparatus and pendulum.

Reconnoitring telescope.

Signal models.

Vertical circle.

Geodesic level.

Geodesic level rod.

Chronograph.

Zenith.

Miscellaneous small instruments.

Chronometer.

Duplex base bar.

Plane tables.

Relief model of Rock Creek Park.

Charts, Atlantic and Pacific

Coasts.

Channel and harbor sweep.

Relief model of Carmel Bay.

Cosmos boat sounding machine.

Tide model.

Tide gauge.

Signal lamp.

Sensitive level vial and stand.

Relief map, Bay of North
America.

BUREAU OF LABOR

(Main Government Building)

EXHIBITS

1. Strikes in the United States; 21 graphic charts. Wages in the United States and Europe, 1890-3; 14 graphic charts. Cost of living and retail prices in the United States, 1890-3; charts.

2. Retail prices; charts. Wholesale prices; charts. Wholesale prices in the United States, 1890-3; charts. Housing of working people in the United States by employers; photographs and plans.

3. Public baths in the United States.

4. Trade and technical education in the United States; photographs.

5. Hand and machine labor in the United States; charts.

6. Labor legislation in the United States; charts.

7. Labor conditions in Hawaii; charts.

8. Building and loan associations in the United States; charts.

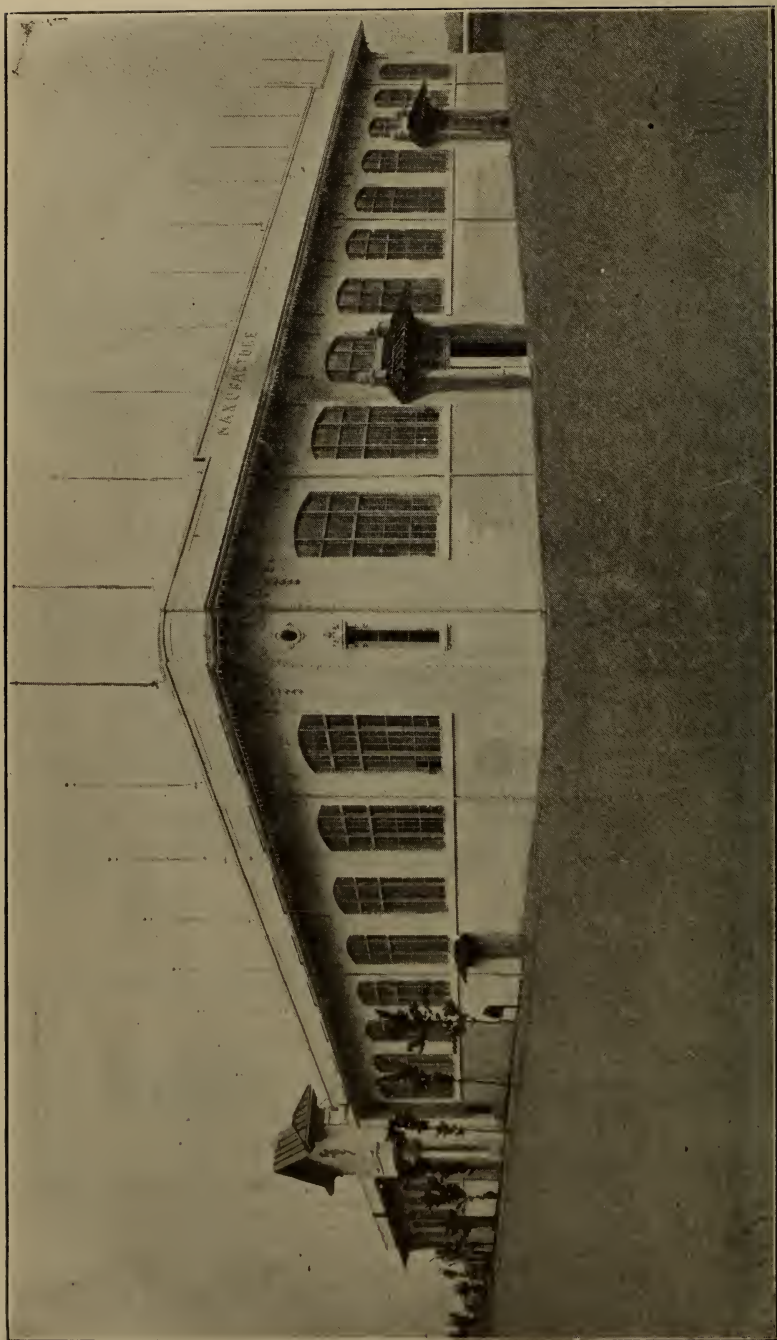
BUREAU OF STANDARDS

(Main Government Building)

EXHIBITS

2 brass bushels, 7 smaller measures (all old English).
10 brass bell weights (old English).
9 iron metric weights.
State yard.
Rutherford dividing machine.
50-pound weight.
 $\frac{1}{2}$ bushel.
Gallon measure in case.
Set of troy ounce weights, 10 ounces to 1-10000 ounce.
Set of avoirdupois ounce weights, 8 ounces to 1-16 ounce.
3 weight lifters.
Brass measures.
Set of capacity measures, liquid one gallon to one-half pint.
Brass bushel.
Set of coin weights.
Model kilogram—2 bell jars and base and holder for same.
Comparative measures—quart, liquid; quart, dry.
Liter.
2-hectogram iron weight.
 $\frac{1}{2}$ -hectogram iron weight.
29 weights from two sets.
 $\frac{1}{2}$ kilogram, 1 pound avoirdupois, 1 pound troy, comparison weights.
Set of specific gravity flasks.
Set of chemical measuring apparatus.
3 specific gravity bottles—100, 50 and 10 grams.
1 hollow kilogram.
Silberman meter, compound standard Arago platinum meter.
Samples—meter, yard, foot, 3 decimeter, inch and 25 millimeters.
Toise.
612. American Mutoscope and Biograph Co. Biogens.
587. Dr. Marcus Benjamin. Portfolio National Academy Presidents.

Watch Tacoma Grow



—Photo by Official Photographic Company
MANUFACTURES, LIBERAL ARTS AND VARIED INDUSTRIES BUILDING

Manufactures, Liberal Arts and Varied Industries

FRANK J. SMITH
Superintendent

HENRY E. DOSCH
Director of Exhibits

CLASSIFICATION

Group 15. Typography: Various Printing Processes (equipment, processes and products).

Group 16. Photography (equipment, processes and products).

Group 17. Books and Publications: Book Binding (equipment and products).

Group 18. Maps and Apparatus for Geography, Cosmography, Topography.

Group 19. Instruments of Precision, Philosophical Apparatus, etc.; Coins and Medals (equipment, processes and products).

Group. 20. Medicine; Surgery.

Group 21. Musical Instruments (materials, processes, products).

Group 22. Theatrical Appliances and Equipment.

Group 23. Chemical and Pharmaceutical Arts (equipment, processes and products).

Group 24. Manufacture of Paper (raw materials, equipment, processes and products).

Group 25. Civil and Military Engineering.

Group 26. Models, Plans and Designs for Public Works.

Group 27. Architectural Engineering.

Group 28. Stationery.

Group 29. Cutlery (equipment, processes and products).

Group 30. Silversmith's and Goldsmith's Ware (appliances, processes and products).

Group 31. Jewelry (equipment, processes and products).

Group 32. Clock and Watch Making (equipment, processes and products).

Group 33. Productions in Marble, Bronze, Cast Iron and Wrought Iron (equipment, processes and products).

Group 34. Brushes, Fine Leather Articles, Fancy Articles and Basket Work (equipment, processes and products).

Group 35. Articles for Traveling and for Camping: India Rubber and Gutta Percha Industries.

Group 36. Toys.

Group 37. Decoration and Fixed Furniture of Buildings and Dwellings: Permanent Decoration of Public Buildings and Dwellings.

Group 38. Office and Household Furniture.

Group 39. Stained Glass.

Group 40. Mortuary Monuments and Undertakers' Furnishings.

Group 41. Hardware (equipment, methods and products).

Group 42. Paper Hanging (raw materials, equipment, processes and products).

Group 43. Carpets, Tapestries and Fabrics for Upholstery (materials, equipment, methods and products).

Group 44. Upholsterers' Decorations.

Group 45. Ceramics (raw materials, equipment, processes and products.)

Group 46. Plumbing and Sanitary Materials.

Group 47. Glass and Crystal (raw materials, equipment, processes and products).

Group 48. Apparatus and Processes for Heating and Ventilation.

THE NAVAJO INDIAN BOOTH

SEE THE INDIANS WEAVING BLANKETS
SEE THE BASKET WEAVERS AT WORK
WATCH THE INDIAN SILVERSMITHS

A. J. DOCKARTY
Collector and Dealer in Rare Indian Goods
NAVAJO INDIAN BOOTH, OPPO-
SITE THE BUBBLE FOUNTAIN
MANUFACTURERS' BUILDING
LEWIS & CLARK EXPOSITION

Group 49. Apparatus and Methods, not Electrical, for Lighting.

Group 50. Textiles: Materials and Processes for Spinning and Rope Making.

Group 51. Equipment and Processes used in the manufacture of Textile Fabrics.

Group 52. Equipment and Processes used in Bleaching, Dyeing, Printing and Finishing Textiles in their various stages.

Group 53. Equipment and Processes used in Sewing and Making Wearing Apparel.

Group 54. Threads and Fabrics of Cotton.

Group 55. Threads and Fabrics of Flax, Hemp, etc.: Cordage.

Group 56. Yarns and Fabrics of Wool.

Group 57. Silk and Fabrics of Silk.

Group 58. Laces, Embroidery and Trimmings.

Group 59. Industries Producing Wearing Apparel for men, women and children.

Group 60. Leather, Boots and Shoes, Furs and Skins, Fur Clothing.

Group 61. Various Industries connected with Clothing (processes and products).

BLOCK 1

590. **The Peters Cartridge Company,** Cincinnati, Ohio. Manufacturers of shotgun and metallic ammunition, primers, gunwads, shot, etc. Factories, Kings Mills, Ohio.

387. **Hunter Arms Co.,** Fulton, N. Y. The L. C. Smith Shot Gun, manufactured by the Hunter Arms Co., of Fulton, N. Y. Represented by Capt. W. J. Riley.

387-1. F. R. Gallagher, North Yambill, Ore. Taxidermist work.

584. **Parker Bros.,** Meriden, Conn. Manufacturers of "The Old Reliable" Parker Gun. Factories, Meriden, Conn.; New York

salesrooms, 32 Warren St., New York.

611. McLynn Pulley & Pattern Co., Portland, Ore. Block and tackle models.

Superintendent's Office

789. B. J. Barrett, Seattle. Sculpture.

Between Blocks 1 and 2

103. C. I. Ishiguro, San Francisco, Cal. Photos.

BLOCK 2

308. B. B. Rich. Concession.

674. Victor Talking Machine. Lipman, Wolfe & Co., Portland agents.

BLOCK 3

122. **The Portland Cordage Co.,** Portland, Ore. Manufacturers of manila and sisal rope and binder twines. Factories at Portland, Oregon, and Seattle, Wash. See exhibit in Manufacturers, Liberal Arts and Varied Industries Building, south end.

122-1. Woodstock Hardwood & Spool Mfg. Co., Charleston, S. C. Wooden textile mill supplies.

298. F. W. Wagner & Co., Charleston, S. C.

BLOCK 4

321. Adolph Glaser & Co., St. Louis, Mo. Loom.

378. Deasy Water Heater Co., Los Angeles, Cal. Gas heaters.

400. Burroughs Adding Machine Co., Detroit, Mich. Adding machines.

Laird & Lee,

World-renowned publishers, 263-265 Wabash Ave., Chicago, U. S. A. Dictionaries (English, French, Spanish, German), juvenile books, encyclopedias, reference and mechanical works, occult sciences, English and German fiction, etc.

BLOCK 5

278. Portland Stove Co., Portland, Ore. Stoves.

455. The Born Steel Range Co., Cleveland, Ohio. Oil stoves. M. Seller & Co., agents.

518. Dover Mfg. Co., San Francisco, Cal. Sad irons.

331. Malleable Iron Range Co., Beaver Dam, Wis. Monarch ranges.

BLOCK 6

434. Miehle Printing Press & Mfg. Co., Chicago, Ill. Printing machinery.

537. Kilham Stationery Co., Portland, Ore. Agents representing:

537-1. American Book Bracket Co., Philadelphia. Book and telephone brackets.

537-2. Bates Mfg. Co., Orange, New Jersey. Numbering machines.

537-3. A. B. Dick Co., Chicago. Mimeographs.

537-4. Eugene Dietzgen Co., Chicago. Surveyors' instruments.

537-5. Wabash Cabinet Co., Wabash, Ind. Filing cabinets.

537-6. L. E. Waterman Co., New York. Fountain pens.

537-7. Jones Improved Loose Leaf Ledger Co., Chicago. Loose leaf binders.

BLOCK 7

505. Koken Barbers' Supply Co., St. Louis, U. S. A. Barber chairs, high-grade furnishings and supplies for barbers. Awarded grand prize at Louisiana Purchase Exposition.

142. Eliza R. Barehus, Portland, Ore. Oil paintings.

533½. L. Alton Rogers, Dekum building, Portland, Ore. Representing Francis E. Lester Co., Mesilla Park, New Mexico. Mexican work.

503. Taleum Puff Co., Ashville, N. C. Pacific Coast Branch, Tom L. Johnson, manager. Improved toilet powder puff.

437. OFFICIAL CATALOGUE

containing map of Grounds, illus-

trations of buildings, birdseye view, portraits of officials, floor plans of buildings, complete list of exhibitors. For advertising rates address, Albert Hess & Co., publishers, care Lewis and Clark Exposition.

598. The Irwin-Hodson Co., Portland. Blank book makers, printers, lithographers, steel and copper plate engravers and printers, stationers.

282. Official Photographer.

BLOCK 8

423. Chas. H. Van Vleck, Kansas City, Mo. Animal extracts.

415. E. H. Erickson Artificial Limb Co., Minneapolis, Minn. Received highest awards, St. Louis 1904, Toronto 1902, Buffalo 1901.

467. Yucca Artificial Limb Co., Los Angeles, Cal. Sweeney Surgical Mfg. Co., proprietors; manufacturers of the Yucca artificial limb and deformity apparatus.

425. Sweeney Surgical Mfg. Co., Los Angeles, Cal. Makers of white enameled steel office and hospital furniture; guaranteed superior to all others in material, workmanship and finish.

425½. American Sterilizer Co., Erie, Pa. Manufacturers of steam and water sterilizers. Sweeney Surgical Mfg. Co., Los Angeles, Pacific Coast agents.

323. A. A. Marks, New York. Inventor and manufacturer of artificial limbs with rubber feet and hands; established 52 years.

215. Wm. R. Warner & Co., Philadelphia, Pa. Standard pharmaceutical products, comprising pills, tablets, fluid extracts, elixirs, capsules, lithia water.

222. Lambert Pharmacal Co., St. Louis, Mo. Listerine, the standard non-poisonous antiseptic. Listerine Dermatic Soap, superfatted; especially adapted for use in diseased conditions of the skin.

432. William Henrici, Portland, Ore.

BLOCK 9

563. **Hawes Von Gal. Co., Inc.**, Danbury, Conn. Manufacturers of Hawes Celebrated \$3 Hats; also other grades of stiff and soft fur hats. See our working exhibit.

763. Mrs. Clara H. Stevens, Sellwood, N. J. Burnt leather and curios.

767. R. P. Cullen, Portland, Ore. Novelties.

BLOCK 10

408. Ernest Ehrke, New York City. Wire worker.

475. Prier Bros. Brass Co., Portland, Ore. Brass work of all kinds.

607. National Phonograph Co., Edison Mfg. Co., Orange, N. J. Phonographs.

192½. Edward Lyman Bill, New York City. Musical publications.

117. Columbia Phonograph Co., Bridgeport, Conn. A complete collection of talking machines, using discs and cylinders, with records.

578. Peerless Piano Player Co., New York.

207A. **Allen & Gilbert-Ramaker Co.**, Portland, Ore. Pianos.

206. J. & C. Fischer, New York; Allen & Gilbert-Ramaker Co., Portland, Ore., sole representatives.

208. The Packard Co., Fort Wayne, Ind.; Allen & Gilbert-Ramaker Co., Portland, Ore., sole representatives.

205. The John Church Co., Chicago, Ill.; Allen & Gilbert-Ramaker Co., Portland, Ore., sole representatives.

207B. The Cable Co., Chicago; Allen & Gilbert-Ramaker Co., Portland, Ore., sole representatives.

BLOCK 11

471. **A. J. Tower Co.**, Boston, New York, Chicago; Tower Can-

adian Co., Limited, Toronto. Manufacturers of waterproof oiled clothing and fabrics. Ames & Harris, distributing agents, Portland and San Francisco.

576. Bowers Rubber Company, San Francisco, Cal. Manufacturers of mechanical rubber, hose, belting, packing, fire hose, mats, matting, moulded rubber.

498. **Pacific Coast Rubber Co.**, 41 and 43 First street, Portland, Ore. Pacific Coast agents for Boston Belting Co.'s rubber belting, hose and packings; Hoyt's leather belting, "Short Lap"; Goodyears India Rubber Glove Mfg. Co.'s rubber boots and shoes; Apsley Rubber Co.'s rubber boots and shoes; Standard Oil Clothing Co.'s Oil Clothing; Goodyears India Rubber Glove Mfg. Co.'s druggist sundries; Rubberoid roofing; bicycles and bicycle sundries.

580. Railway List Co., Chicago, Ill. Collective samples of railway supplies.

220. Standard Fire Apparatus, Seattle, Wash. Fire apparatus.

259. Hyatt Roller Bearing Co., Harrison, N. J. Rep. by Timms, Cress & Co. Roller bearings.

605. **Berry Brothers, Ltd., Detroit, Mich.** Varnish manufacturers, shellac bleachers and refiners of wood alcohol. New York, Boston, Philadelphia, Baltimore, Chicago, Cincinnati, St. Louis, San Francisco. Factory and main office, Detroit.

BLOCK 12

201. **American Woolen Co.**, Boston, Mass. Woolen and worsted cloths for men's wear. This company owns twenty-eight plants in New England and New York state, and is the largest concern engaged in this manufacture in the world. Its uniform cloths have been adopted by the U. S. Government as the standard. The company manufactures for all

classes, and its finest goods are unsurpassed. Highest award, Pan-American Exposition, 1901. Grand prize at St. Louis.

120. Laird, Schober & Co., Philadelphia, Pa. Manufacturers of ladies', misses' and children's highgrade footwear. Highest award wherever exhibited.

312. Geo. E. Kieth Co., Campello, Mass. Shoes. Knight Shoe Co. representatives.

382. **James A. Banister Company**, Newark, N. J. Manufacturers of hand made boots, shoes and slippers. Marks Shoe Co., 291 Morrison St., agents.

487. Harris Trunk Co., Portland, Ore. Manufacturers of Trunks and Leather Goods.

401. Lewis-Stenger Barber Supply Co., Portland, Ore., representing:

401-1. Theo. A. Koehs Co., Chicago, Ill. Barbers' supplies.

401-2. The Vibrassage Co., Chicago, Ill.

417½. A. Lundberg Artificial Limb Co., Seattle, Wash. Deformity apparatus of every description.

231. Chris Miller, North Yakima, Wash. Indian baskets and curios.

93. Concession.

280. Cross & Baker, Portland, Ore. Mounted taxidermists specimens.

180. Rand & Reed, Worcester, Mass. Artistic taxidermists; game birds mounted in convex glass (patented) wall pictures.

306. Chas. C. Tobias, Boise, Id. Egyptian exhibit.

349. Western Fur Co., Boise, Ida. Egypt Soudan Exhibit of north African game and game heads, made by Chas. C. Tobias, Boise, Idaho.

407. Wheeler & Wilson Mfg. Co., St. Louis, Mo. Sewing machines.

BLOCK 12½

156. Underwood Typewriter Co., New York. Typewriting machines.

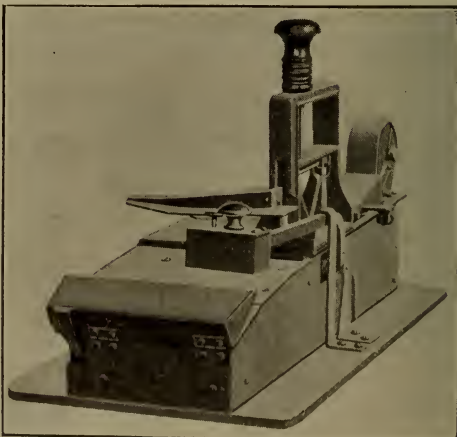
461. **The Norris Safe & Lock Co.**, Seattle, Wash. The Norris Safe & Lock Co., are Pacific Coast Agents for Manganese Steel Bank Safes and for Hall's Safe & Lock Co's standard fire proof safes. They also represent The Pauly Jail Building Company and the Oliver Typewriter Company. See exhibit in block 12½ Liberal Arts Building. Stores 84 Third

THE UNIVERSAL LETTER SEALING AND STAMP MACHINE seals your letter and puts the postage stamp on ready for mailing at rate of 10,000 a day, by 1 operator

Price of Machines

Hand machine \$ 50
Hand machine, foot pedal 75
Electric machine 100
Combined sealer, stamper
and addressing machine 150
Combined cutting and
spooling machine 50

All or any of above machines will be delivered upon order, free on board cars, as soon as manufactured, to be paid for on delivery. Orders for machines can be given to the demonstrator of the machine at Exhibit No. 237, Manufacturers, Liberal Arts and Varied Industry Building, Lewis and Clark Exposition, or mailed to the President, **JAMES N. STACY**, 333 Mohawk Bldg., Portland, Oregon



Street, Portland, and 1332 and 1334 Second Av., Seattle, Wash.

461-1. Hall Safe & Lock Co., Cincinnati, O. Safes.

461-2. Pauly Jail Building Co., St. Louis, Mo. Model of jail.

461-3. Manganese Steel Co., New York. Safes.

579. **The Oliver Typewriter Co.** Standard visible writer. Exhibit includes the gold and silver machines. The Norris Safe & Lock Company, general western agents.

237. Coast Agency Co., Portland, Ore. Typewriters of all makes, rubber stamps, office goods.

788. Concession.

237-1. **Universal Letter Sealing & Stamp Co., Portland, Ore.**

237-2. Faber Self-Filling Fountain Co., Toledo, O.

237-3. Jewett Typewriter Co., Des Moines, Iowa.

237-4. Parker Pen Co., Janesville, Wis.

606. Concession.

658. Western Fire Appliance Co., San Francisco, Cal. Fire extinguishers.

588. Meier & Frank Co., Portland, Ore. Linen, silk and embroidery.

365. Providence Jewelry Co., Providence, R. I.

608. **Comptograph Co., Chicago, Ill.** Comptograph Adding and Listing Machine, manufactured by the Comptograph Company, Chicago; N. C. Ovatt, coast agent, No. 246 Washington St., Portland.

BLOCK 14

374. **The N. K. Fairbank Company,** Chicago. New York. St. Louis, San Francisco. "Gold Dust" Washing Powder; "Fairy" Soap. See the famous "Fairy Soap Bubble Fountain" in manufactures building.

315. **Blumauer-Frank Drug Co.,** Portland, Ore. Robertine Fluid Face Powder, the ideal complex-

ion creator. Exhibited and demonstrated by Blumauer-Frank Drug Co., Western distributors.

137. Hazelwood Cream Co., Portland, Ore. Model working creamery.

450. Archer & Schanz Co., Portland, Ore. Archer's "Dental" chewing gum, manufactured by Archer & Schanz Co., wholesale druggists.

330. E. A. Fargo Co., Taunton, Mass. Alluminum goods.

592. Woodard, Clarke & Co., Portland, Ore. An original working exhibit of their Bath of Benzoin and Dermatic Egg Shampoo.

482. **Acme Triturator Co.,** Los Angeles, Cal. Manufacturers of tritulators, colonic dilators, rectal medicators, uterine medicators, low pressure acetylene mantle burners.

115. Oregon Dental Supply Co., Portland. Dentists' supplies.

115-1. Victor Electric Co., Chicago. Electric engines and lathes.

115-2. Aderer Bros., New York. Mfrs. of dental instruments.

115-3. The Harvard Co., Canton, O. Dental supplies.

115-4. Alvord Dental Motor Co., Sumpter, S.C., Dental Motors.

115-5. Eugene Schenkenberg, Racine, Wis.

115-6. Webster Dental Co., Buffalo, N. Y.

115-7. **The Snow Dental Company,** Buffalo, N. Y. Exhibit of implements for use of dentists. Ore. Dental Supply Co., agents.

115-8. Imperial Rubber Works, New York City.

115-9. Eagle Dental Mfg. Co., Philadelphia, Pa.

115-10. Johnson & Lund, Philadelphia, Pa. Manufacturers of dental supplies.

115-11. Dr. W. H. Robinson, Alameda, Cal. Bristle dises.

115-12. J. Bird Moyer Co., Philadelphia. Dental materials.

115-13. Whiteside Dental Mfg.

Co., Youngstown, O. Crowns.
115-14. Pennsylvania Dental
Mfg. Co., Chicago, Ill. Teeth.

BLOCK 15

287. Povey Bros. Glass Co.,
Portland, Ore. Art glass windows.

358D. Toledo Cooker Co., To-
ledo, Ohio. Cooking utensils.

606. Wright & Co., San Fran-
cisco. Monarch typewriters.

363. **Bulls Head Oil Works.**
Office 227 and 229 California St.,
San Francisco. Works at Bulls
Head Point, Martinez, California.
Refiners of California Crude Oil,
from which we produce the finest
qualities of kerosene, benzine,
gasoline, lubricating oils, castor
machine oil, terrene turpentine,
terrene linseed oil, black varnish
paint, axle grease, skid grease,

etc. Sales to the wholesale trade
only. Ask your dealer for the
Bulls Head brand. Our kerosene
comes in three grades: "White
Heather," "Crystal Spring" and
"Silver Light." Equal in qual-
ity to any eastern oil.

340. L. Ladis, St. Louis, Mo.
Miniature airships.

211. D. M. Averill & Co., Port-
land, Ore. Souvenirs.

501. Geo. Rockwood & Co., Ben-
nington, Vt. Underwear. Fleisch-
ner, Mayer & Co., Portland, agents.

494. A. N. Barson & Co., New
York. Cigarettes.

568. **Chicago Embroidery Co.,**
Office and factories, 492 and 494
West Ohio St., Chicago, Ill. Man-
ufacturers and importers on all
styles of embroideries.



OF all the millions
who visited the
World's Fair, St.
Louis, there isn't one
who does not remember
the sound of

**VICTOR
KREMER
CO.'S Music**

Here we are again with all
the latest. Some of them are

Lewis and Clark Exposition
March; Lewis and
Clark Exposition Waltz;
Where Rolls the Oregon;
Up and Down the Trail;
The Little Boy From
Lonesome Street; The
Pioneers March; Carnival
Times; Ragtime Gravy
(Latest Coon Song); When
Wilderness was King (In-
termezzo); Come Home
Soldier Boy in Blue; By
the Dear Old Delaware;
Northern Light Waltzes;
Cavalier (Intermezzo).

**25 Cents Each,
or 6 for \$1.00**

FREE—Our Catalogue list-
ing 10000 pieces. Write for it

**Victor Kremer
Company
59 Dearborn St.
CHICAGO, ILL.**

94. Grunebaum, A., Portland, Ore. Electro engraving.

481. Visiting certificate.

536. Dr. Wm. Pfunder, Portland, Ore. Medicinal preparations.

417. Medical Lake Salts Mfg. Co., Spokane, Wash. Medical salts.

535. Cigar Makers' International Union of America, Chicago, Ill. Cigar making.

249. Mrs. Cunningham. Concession.

604B. Victor Kremer Co., Chicago, Ill. Music publishers and dealers. Write for our catalogue listing 10,000 numbers free.

BLOCK 16

183. National Cash Register Company, Dayton, Ohio. Cash registers and supplies. Main exhibit.

464. The J. K. Gill Co., Portland, Ore. Stationery.

464-1. Globe - Wernicke Co., Cincinnati, O. Filing cabinets,

desks and book cases. J. K. Gill Co., agents.

464-2. G. & C. Merriam Co., Springfield, Mass., U. S. A. Dictionaries. The authentic Webster Series. The International, new and enlarged, contains 25,000 new words, new Gazetteer, new biographical dictionary, 2,380 pages, 5,000 illustrations, The Collegiate, 1,100 pages, 1,400 illustrations, 7x10x2 $\frac{5}{8}$ in., the same reduced in size, thin paper, limp covers, also the Academic, High School, Common School, Primary School, and other dictionaries.

464-3. Keuffel & Esser Co., New York, N. Y. Instruments of precision, measuring tapes. Factories, Hoboken, New Jersey. Transits, levels, theodolites, sextants, octants, compasses, binna-cles, etc. Our goods are used by all departments of the Government. Everything for the draft-

National Cash Registers

Have been used to care for the receipts of the World's Fair, Chicago; Pan-American Exposition, Buffalo; Charleston Exposition, and Louisiana Purchase Exposition, St. Louis, and are being used by the Lewis and Clark Exposition.

They have received highest awards wherever exhibited, and were awarded a gold medal and grand prize at Louisiana Purchase Exposition, St. Louis.

The National Cash Register Company was also awarded a gold medal and grand prize at Louisiana Purchase Exposition, St. Louis, for welfare features as shown under Department of Education and Social Economy.

Three exhibits at Lewis and Clark Exposition: Manufacturers and Liberal Arts Building, Block 19, Space 183; Educational Department, Balcony of Oriental Building, and N. C. R. Building, Lewis and Clark Boulevard.

FACTORY & MAIN OFFICE : DAYTON, OHIO, U. S. A.

ing room. Photo-printing papers and appliances.

464-4. **A. C. McClurg & Co.**, Chicago, Ill. Books relating to Oregon and the Northwest. Exhibit of the J. K. Gill Company, Portland, Ore.

643. **Felt & Tarrant Mnf. Co.**, Chicago, Ill. Calculating machine. The Comptometer, a key-operated, multiple-order, calculating machine which performs all arithmetical problems by the mere touching, singly or severally at one stroke, of automatic direct-acting keys. Requires no mental or manual operations on the part of the operator other than touching the keys.

541. **Mutual Label & Lithographic Company.** Lithographers and label printers, San Francisco, Cal. An exhibit of labels and fine lithographic art. Office, 301 Macleay Building, Portland.

244. **American Sales Book Co.**, Elmira, N. Y. Manufacturers of counter sales books, shipping receipt books and sheet account systems. C. H. Wilcox, Pacific Coast General Agents.

253. **Crane Bros.**, Westfield, Mass. Gold ledger medal paper.

188. **Mergenthaler Linotype Co.** San Francisco, Cal. Linotypes.

319. **Bushong & Co.**, Portland, Printers.

342. **Dodd, Mead & Company**, Chicago and New York. Publishers the New International Ency-

clopaedia and original Journals of Lewis and Clark.

BLOCK 17

436. **Watson & Newell Co.**, Attleboro, Mass. Official souvenir spoons, silverware, etc.

214. **W. G. McPherson Co.**, Portland, Ore. Heating, cooling, drying and ventilating engineers.

439. **J. C. Bayer**, Portland, Ore. Heating appliances.

439-1. **Gladding McBean & Co.**, San Francisco, Cal. J. C. Bayer, Portland, agent.

105. **Malleable Steel Range Mfg. Co.**, South Bend, Ind. Manufacturers of family and hotel ranges and kitchen outfits.

352. **Charter Oak Stove & Range Co.**, St. Louis, Mo. Stoves and ranges for cooking; stoves for heating; hotel ranges.

BLOCK 18

126. **The Oregon Furniture Mfg. Co.**, Portland, Oregon. Manufacturers of bed-room suites, side-boards, tables, desks, kitchen furniture, couches, lounges, chairs, leather furniture, mattresses, springs, etc. The largest furniture manufacturing establishment in the west.

118. **Tull & Gibbs**, Portland, Ore. Furniture.

254. **William E. Wall**, Somerville, Mass. Graining and Marbling; painted imitations of wood and marble.

FIFTEEN years ago A. C. McClurg & Co., of Chicago, brought out that dramatic romance of Indian Oregon entitled "The Bridge of the Gods," by F. H. Balch. This was followed by Eva Emery Dye's "McLoughlin and Old Oregon," a chronicle of a successful attempt to establish the American flag on Oregon soil.

These beginnings were followed, in the fall of 1902, by a handsome reprint of the "Lewis and Clark Journals," and, later, "Gass's Journal of the Lewis and Clark Expedition." The issue of these works stimulated a new and vivid interest in all the far Western territory discovered and mapped by those intrepid explorers. Immediately following these came that remarkable romance, "The Conquest: The True Story of Lewis and Clark," by Mrs. Dye.

Succeeding this array of works came, in the Fall of 1904, a valuable little book on Oregon history by Sldona V. Johnson. The latest additions to the list, "From the West to the West," by Abigail Scott Duniway, and "Letters from an Oregon Ranch," by "Katherine," depict an early, and a modern phase in the settlement of the State.

No better survey of the progress and the attractions of the State of Oregon and the Northwest can be gained than from these books.

W. G. McPHERSON COMPANY FURNISH

PLENTY OF AIR

That's what we all want—if you want

WARM AIR · COOL AIR TEMPERED AIR

in 500,000-foot quantities, visit our den in the Manufactures Building, where you will see the greatest curiosity and the pleasantest spot on the grounds on a hot day, when you want to keep cool or a cold day when you want to get warm

W. G. McPHERSON CO.

HEATING, COOLING, DRYING
& VENTILATING ENGINEERS

PORTLAND, OREGON

BLOCK 19

288. Minneapolis Desk Mfg. Co., Minneapolis, Minn. We manufacture a full line of high and medium grade of office desks. Catalogue sent to furniture dealers on application.

295. American Mercantile Co., Tacoma, Wash. Manufacturers of rattan, sea grass and linen fibre furniture, Malacca frame-

work, Teakwood furniture. Head office, Tacoma, Wash. Branches, Hong Kong, China; Kobe, Japan; factory, Hong Kong.

635. Comfort Furniture Co., Detroit, Mich. The Vibrating Comfort Furniture is the 20th century attraction at the Fair.

361. Edmund Senn, E. Mt. Tabor, Ore. Sculpture work.

272. S. A. Weller, Zanesville, O. Pottery.

Visit the Exhibit of the

COMFORT FURNITURE CO.

of Detroit, Michigan

BLOCK 19, MANUFACTURERS' BUILDING

and try the

VIBRATING STEEL FRAME FURNITURE

Chairs, Couches, Children's Beds, Infant's Cribs, Etc.

In Reed with removable upholstering. There you will find "rest for the weary," comfort for the invalid and aged, relief for the mother and joy for the babe. FURNITURE THAT WILL LAST A LIFETIME. THE HIT OF THE LEWIS & CLARK CENTENNIAL



185. **The Art Crafts Shop**, Buffalo, N. Y. Workers by hand in enameled silver and copper, brass and individual jewelry in gold and silver; also Teeco Art Pottery, Gates Potteries, Chicago and Terre Cotta, Illinois.

629. American Numismatic Association. Coins. Farran Zerbe, agent.

232. Pacific Coast S. S. Co., Alaskan Exhibit.

405. **Chain Curtain Manufacturing Co.**, 302 N. Third St., St. Louis, Mo. Patentees and manufacturers; draperies, valances, Sanitary - decorative - indestructible. Made to match walls or woodwork in any desired color. Send for catalogue and price list.

602D. Walter Reed Optical Concession Co., Portland. Microscopes.

405-1. K. Okamoto, San Francisco, Cal. Art furniture.

BLOCK 20

97. A. B. Johnston, Libby, Mont. Taxidermy.

98. E. Bergman, Los Angeles,

Cal. Jewelry and shell concessions.

96. G. S. Garcia, Elko, Nev. Silver mounted bits and spurs-saddles.

556. Marks Adjustable Chair Co., New York. Chairs.

219. **The George Bell Company**, 437 17th Street, Denver, Colo. Lapidaries and manufacturing jewelers. Exhibit of gem stones, mounted and unmounted. Demonstration of gem stone cutting.

229. The J. B. Owens Pottery Co., Zanesville, Ohio. Largest art potteries in the world.

225 **American Electrical Novelty & Mfg. Co.**, New York. Pocket flash lights, dry batteries, Plato clocks. Eastern Manufacturers Co., 46 and 48 Front St., Portland, Ore., selling and distributing agents.

226. **H. C. Fry Glass Company**, Rochester, Penna. Largest cut glass factory in the United States. Also manufacturers of tumblers, all shapes and sizes. There are on exhibit three of the largest pieces ever cut.

380. Rob't H. Ingersoll & Bro.,

NEAT ARTISTIC SANITARY DECORATIVE



CHAIN
PORTIERES - VALANCES
DRAPERIES

For illustrated catalogue of various designs and patterns, write to the
CHAIN CURTAIN MANUFACTURING CO.
PATENTEES AND MANUFACTURERS
322 N. THIRD ST. LOUIS

Finished in Bronzes, Lacquers and Natural Wood Stains

New York, Chicago, San Francisco, London. Manufacturers of Ingersoll watches.

BLOCK 21

436½. A. T. Saily, Portland, Ore. Novelties.

224. Miller Keyless Lock Co., Kent, O. Patent locks.

639. C. E. Bonner, Chrisman, Ill. "Victor" pipe wrench.

716. Bilt-rite Mfg. Co., Spokane, Wash. Cash and parcel carriers. Latest and simplest models. See adv. on this page.

294. The Sterling Hardware Co., New York. The Sterling Can Opener and the Sterling Parer.

345. American Graining Machine Co., Oakland, Cal. Wood graining machine.

348. American Art Leather Co., St. Louis, Mo. Art leather.

257. H. Liebes & Company, Portland, Ore, San Francisco, Cal. General display of Alaska seal-skin garments, fine furs, skins and mounted rugs.

107. A. J. Dockarty. Indian curios, etc. See advertisement.

153. Edmund Gurney, Portland, Ore. Ladies' tailoring.

233. Winona Mills, New York City. Hosiery.

233-1. The Direct Supply Co., New York City. Underwear.

240. The Silverfield Company, Portland, Ore., Seattle, Wash., Sitka, Alaska. Fur manufacturers and ladies' outfitters.

239. St. Louis Art Leather Co., St. Louis, Mo. Art leather.

194. I. Krifka Glove Co., Chicago, Ill. Gloves.

140. Harris & Holmes, Pleasanton, Kansas. Manufacturers of Farmer's Friend Shoe & Harness Repair Outfit, for sewing anything made of leather. Agents wanted.

195. Jos. Jarzynsky, Chicago, Ill. Wood carving.

138. Pacific Monthly, Portland, Ore. Publications.

358E. Pacific Coast Biscuit Co., Portland, Ore. Confectionery.

NO WONDER you hard working merchants don't get the profits you figure on when you allow every sale to be a private deal between salesman and customer. You are actually cultivating carelessness and generosity with your goods. Your clerks will thank you in after years for making careful business people of them.

GET HOLD OF YOUR BUSINESS!

KNOW WHAT IS BEING DONE IN YOUR STORE!

BILT-RITE CARRIERS [NINE DIFFER- ENT MODELS]

put each deal through two hands. They make everyone careful. They "stop the leaks." They make it possible for you yourself to scrutinize any sale. Enough said to the thrifty merchant who appreciates profits.

Bilt-rite means not only built right, but look-rite, work-rite and sold-rite. The latest product in store service invention. Less than ¼ the parts of any other machine. None just as good

THE BILT-RITE MANUFACTURING COMPANY

322-4 Third Ave. S. Minneapolis, Minn.

EXHIBIT OF THE
SINGER
SEWING MACHINE COMPANY

Block 22, Manufactures Building

MACHINES FOR EVERY
STITCHING PROCESS
used in the family and in manufactures,
many of which will be running and all
of which will be capable of operation.

A SPLENDID DISPLAY OF
DOMESTIC AND FACTORY
sewing products and beautiful tapestry
pictures, with practical demonstration
of the work.

GIVEN AWAY, FREE—FIVE
SETS of SOUVENIR VIEWS
of Pacific Coast scenery, in envelopes
ready for mailing.

VISITORS CORDIALLY WELCOME

BLOCK 22

383. **Singer Manufacturing Co.**,
New York.

Group 34. Class 196. Singer
Sewing Machine Company., Elizabeth, N. J. Machines for stitching fine leather goods.

Group 38. Class 218. Singer
Sewing Machine Company., Elizabeth, N. J. Family drawing room cabinets and cabinet tables for sewing machines.

Group 43. Class 252. Singer
Sewing Machine Company., Elizabeth, N. J. Machines for making carpets, over-edging carpets and rugs, etc.

Group 44. Class 256. Singer
Sewing Machine Company., Elizabeth, N. J. Machines used in manufacture of upholstery and upholsterers' decorations.

Group 51. Class 310. Singer
Sewing Machine Company., Elizabeth, N. J. Machines for making trimmings.

Group 53. Classes 328 and 329.
Singer Sewing Machine Company, Elizabeth, N. J. Machines for family uses, and for manufactures not otherwise specified.

Group 58 Classes 367, 369 and 372. Singer Sewing Machine Company, Elizabeth, N. J. Laces, embroideries, tapestries, etc., made by machinery.

Group 61. Class 385. Singer
Sewing Machine Company., Elizabeth, N. J. Machines for stitching and trimming knit underclothing.

Dept. of Transportation.

Group 72. Class 457. Singer
Sewing Machine Company., Elizabeth, N. J. Machines for stitching carriage dashes and fenders.

Group 73. Class 458. Singer
Sewing Machine Company., Elizabeth, N. J. Machines for stitching harness.

Group 75. Class 471. Singer
Sewing Machine Company., Elizabeth, N. J. Machines for making flags, stitching in stars, etc.

383½. **P. W. Lambert & Co.**,
New York. Fine leather goods.

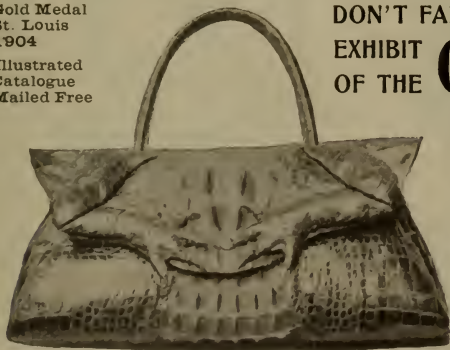
Group 34.
189. **Miss Raphael**, St. Louis,
Mo. Jewelry and souvenir concession.

291. **Post Fountain Pen Co.**, N. Y. Self-filling, self-cleaning, simple, durable, reliable, guaranteed. **J. H. Rothschild**, agent.

191. **The Grossman Leather Co.**,
St. Augustine, Florida. Manufacturers of genuine alligator goods. Gold medal St. Louis, 1904. Illustrated catalogue mailed free.

143. **Wright Pen Co.**, St. Louis,
Mo. Fountain pens, pearl desk, pencils, stylos.

Gold Medal
St. Louis
1904
Illustrated
Catalogue
Mailed Free



DON'T FAIL TO VISIT THE WORKING
EXHIBIT OF THE **GROSSMAN**
LEATHER CO.

OF ST. AUGUSTINE, FLORIDA

THE only exclusive manufacturers of genuine alligator and snake skin novelties in the U. S. Look for the monster alligator, Booth 101, Center of the Manufacturers Building, Lewis and Clark Exposition

622. N. P. Advertising and Hotel Supply Co., Specialties free to hotels. C. A. Moore, manager, Minneapolis, Minn., and Seattle, Wash.

722 Blickensderfer Mfg. Co., Stamford, Conn. Typewriters.

648. Gillette Safety Razor Co., Portland, Ore. Razors.

562. F. C. Stettler, Portland, Ore. Paper boxes.

313. Pacific Regalia Company, manufacturers of badges, buttons, banners, souvenirs and novelties for advertising, in celluloid, aluminum and other materials. Complete factory in Portland.

BLOCK 23

116. Broderick & Bascom Rope Co., St. Louis, Mo. Cordage.

250. Chas. Emmerich & Co., Chicago, Ill. The curing and purifying of raw feathers, making of feather pillows and down cushions, and handling of bulk feathers in bags.

119. Mrs. J. J. Mannion, St. Louis, Mo. Silk loom.

602. Optical concession.

162. **Buster Brown Stocking Co., N. Y.**

"Resolved, the stocking makes the boy, that's when it's a Buster Brown Stocking."

413. B. M. Taylor, Portland, Ore. Glass engraving.

BLOCK 24

144. I. K. Tuerek, Portland, Ore. Ornamental iron works.

610 Standard Paint Co., New York City. Paints and varnishes.

564. **Portland Wire & Iron Works, Portland, Ore.** Wire and iron work of all kinds, bank and office railings, metal fencing, wire cloth and art metal work. Fountains and lawn furniture.

197. Clauss Shear Co., Fremont, O. Shears and cutlery.



SOLD EVERYWHERE

LEVI STRAUS & CO., Pacific Coast Agents . San Francisco, California
MEIER & FRANK CO., Retail Distributors for . . . Portland, Oregon
BUSTER BROWN STOCKING CO. Manufacturers, 346 Broadway, N. Y.



Wear Well, Fit Well. Fast Black or Money Back. That Tells the Quality of America's Greatest STOCKING.

198. Kempfe Bros., New York. Razors.

199. Walden Knife Co., Walden, N. Y. Knife making in operation.

BLOCK 25

662. Sanders & Co.'s Copper Works, San Francisco, Cal. Copper works.

435. Tilton Bros. Galvanized iron cornices, metallic skylights, Royal warm air furnaces.

BLOCK 26

452. Libby, McNeil & Libby, Chicago, Ill., are exhibiting a complete working model of their plant. It is lighted by electricity and cost \$15,000.

784. Madsen & Co., Horsens, Denmark. Linens.

372. H. E. Carlsten, Stockholm, Sweden. Porter.

373. Tegner & Wileken, Stockholm, Sweden. Aarack punch.

370. Stempel Fire Extinguisher Mfg. Co., St. Louis, Mo. Fire extinguisher.

BLOCK 27

385. Public telephone.

497. Pasteur Vaccine Co., Chicago, Ill. Biological products, etc. for veterinary use.

261. I. Stephenson Co., Wells, Mich.

175. Chamberlin Metal Weather Strip Co., Detroit, Mich. Represented in principal cities.

262. James Pyle & Sons, New York. Soap powder and Washing compound "Pearline" for all washing and cleaning, especially delicate fabrics.

389. Northwest Oil & Paint Co., Portland, Ore. Paints and varnishes.

389-1. Heath & Milligan Mfg. Co., Chicago, Ill. Prepared paints and leads.

389-2. Pratt & Lambert Co., Chicago, Ill. Varnishes.

389 3. Murales Co., New Brighton, N. Y. Wall finishes.

389-4. Ohio Varnish Co., Cleveland, O. Interior finish.

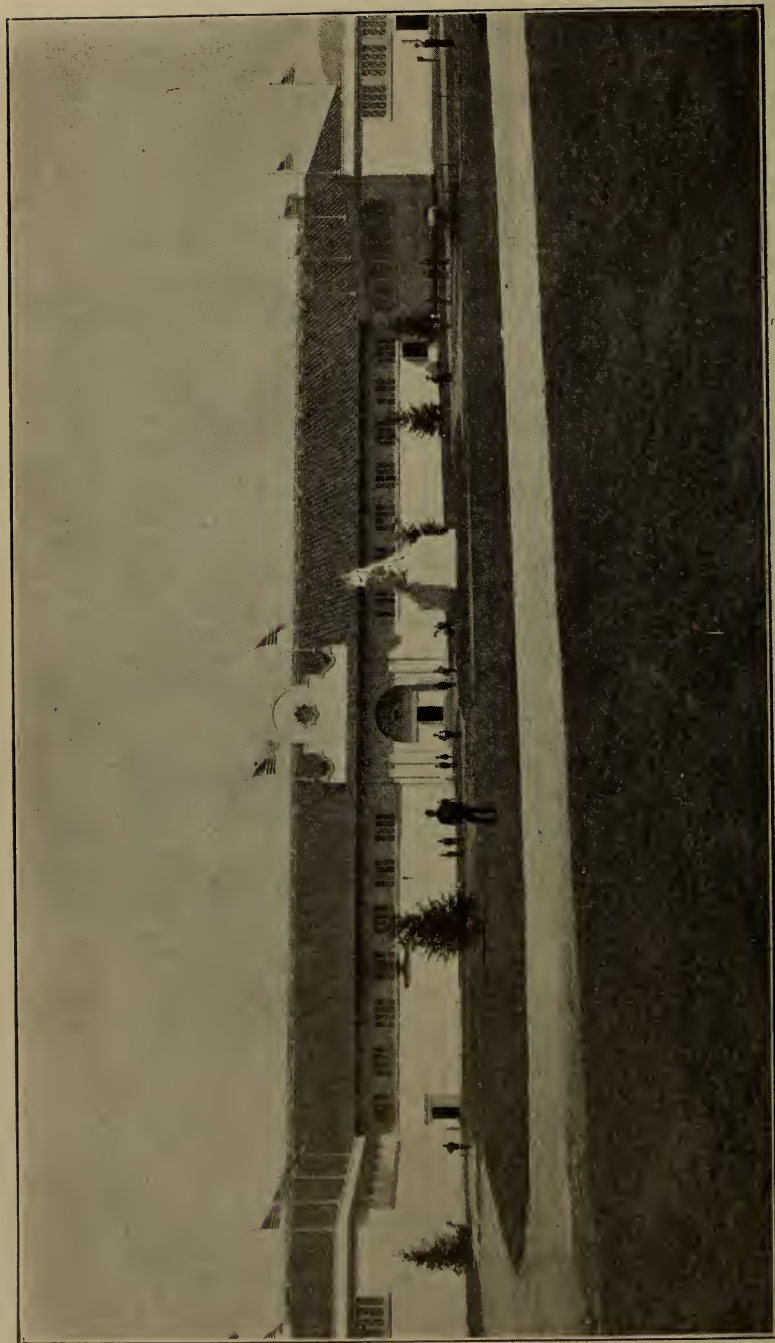
227. Mann Specialty Co., Buffalo, N. Y. "Holdfast" screw drivers and articles in hardware line.

310. Pan-American Neckwear Co., St. Louis, Mo. Neckwear.

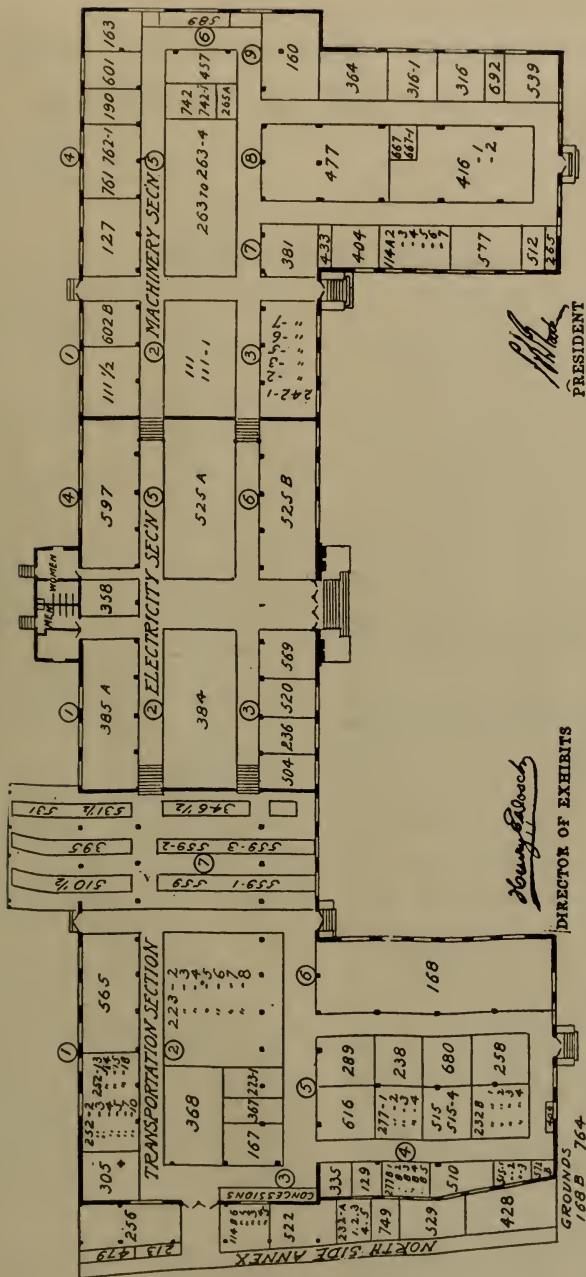
101. The Lutke Mfg. Co., Portland, Ore. Manufacturers of show cases, bank, bar, druggists' and store fixtures.

BLOCK 28

488 Doernbecher Manufacturing Co., Portland, Ore. Manufacturers of bedroom and dining-room furniture in quartered oak, birdseye maple and mahogany, as well as in native woods.



—Photo by Official Photographic Company
TRANSPORTATION AND MACHINERY BUILDING



FLOOR PLAN: MACHINERY, ELECTRICITY AND TRANSPORTATION BUILDING
 Key to Installation: The figures on the floor plan refer to the serial number of each exhibit

Machinery, Electricity and Transportation Building

HENRY E. DOSCH
Director

J. R. THOMPSON
Superintendent

CLASSIFICATION

- Group 62. Steam engines.
- Group 63. Various motors.
- Group 64. General machinery.
- Group 65. Machine tools.
- Group 66. Arsenal tools.
- Group 67. Machines for generating and using electricity.
- Group 68. Electro-chemistry.
- Group 69. Electro-lighting.
- Group 70. Telegraphy and telephony.
- Group 71. Various Applications of electricity.
- Group 72. Carriages and wheelwright's work; automobiles and cycles.
- Group 73. Saddlery and harness.
- Group 74. Railways: Yards, stations, freight houses, terminal facilities of all kinds.
- Group 75. Material and equipment used in the mercantile marine.
- Group 76. Material and equipment of naval services; naval warfare.
- Group 77. Aerial navigation.

Transportation Section.

BLOCK 1

305. Olds Motor Works, Detroit, Mich. Represented by Keats Auto Co., Portland Ore. Automobiles and supplies. Oldsmobile distributor for Oregon, Washington and Idaho; also agents for Pope-Toledo.

252-2. Famous Mfg. Co., East Chicago, Ill. Hay presses. Represented by Portland Implement Co., Portland.

252-3. Birdsell Mfg. Co., South Bend, Ind. Clover hullers and farm wagons. Portland Implement Co., agents.

252-5. H. S. Peek, Utica, N. Y. Potato diggers. Portland Implement Co., agents.

252-7. Standard Vehicle Co., Pontiac, Mich. Buggies and Vehicles. Portland Implement Co., agents.

252-10. Moon Bros. Carriage Co., St. Louis, Mo. Buggies and carriages. Portland Implement Co., agents.

252-13. Cassopolis Mfg. Co., Cassopolis, Mich. Grain drills and seeders. Portland Implement Co., agents.

252-14. Hoeking Valley Mfg. Co., Lancaster, O. Cider mills and feed cutters. Portland Implement Co., agents.

252-15. Plano Mfg. Co., West Pullman, Ill. Agricultural implements. Portland Implement Co., agents.

252-18. Smith Manure Spreader Co., Chicago, Ill. Manure spreader. Portland Implement Co., agts.

565. John Deere Plow Co., Portland, Ore. Agricultural implements. Our wagons, buggies, hay presses, feed cutters and grinders, cider mills and other goods shown on our sample floor.

BLOCK 2

223. Mitchell, Lewis & Staver, Portland, Ore. Implements, wagons and vehicles.

223-1. H. H. Babcock Company, Watertown, N. Y. Manufacturers fine vehicles.

223-2. H. A. Moyer, Syracuse, N. Y. Buggies and carriages.

223-3. Mitchell Motor Car Co., Racine, Wis. Manufacturers of Mitchell Motor Cars and Motor-cycles.

223-5. Motsinger Device Mfg. Co., Pendleton, Ind. Sparking dynamo for gasoline engine.

223-8. F. E. Myers & Bro., Ashland, O. Agricultural implements.

223-10. Staver Carriage Co., Chicago, Ill. Vehicles.

223-11. Flint & Walling Mfg. Co., Kendallville, Ind. Wind mills.

368. **Western Wheeled Scraper Company**, Aurora, Ill. Beall & Company, general agents, Portland, Ore. Road graders, ditch makers, dump wagons, rock crushers, scrapers and road plows.

167. **Louden Machinery Company**, Fairfield, Iowa. Beall & Company, general agents, Portland, Ore. Louden hay carriers, forks, slings, pulleys, barn door hangers and letter carriers.

367. Austin Mfg. Co., Harvey, Ill. Manufacturers of the Austin street sprinklers and Austin street sweepers. Beall & Co., general agents, Portland, Oregon.

BLOCK 3

Concessions.

BLOCK 4

335. Griffin Wheel Co., Tacoma, Wash. Railway appliances.

129. W. C. Campbell Doubletree Co., Seattle, Wash. Doubletrees.

277B-1. Peoria Drill & Seeder Co., Peoria, Ill. Grain seeding machinery.

277B-2. Kingman Plow Co., Peoria, Ill. Plows, harrows, cultivators.

277B-3. Admiral Hay Press Co., Kansas City, Mo. Hay presses.

277B-4. Superior Hay Stacker Mfg. Co., Linneus, Mo. Hay stackers and sweep rakes.

277B-5. Walter A. Wood Mowing and Reaping Machine Co., Hoosick Falls, N. Y. Harvesters, mowers, hay rakes, hay feeders.

510. **St. Louis Expanded Metal Fire Proofing Co.**, St. Louis, Mo. Corrugated steel bars, for reinforced concrete construction Branch agencies all large cities; Woolsey-Crowe Supply Co., Oregon agents.

515-1. Pontiac Carriage Co., Pontiac, Mich. Vehicles. Pacific Mail Order Co., agents Portland.

515-2. Fish Bros. Mfg. Co., Clinton, Iowa. Vehicles. Pacific Mail Order Co, agents, Portland.

515-3. Cutts Drill Co., Montreal, Canada. Drills. Pacific Mail Order Co., Portland agents.

572B. T. H. Brigg, St. Louis, Mo. Patent yokes.

409. **Boston & Lockport Block Co.**, Boston, Mass. The Chas. F. Beebe Co., agents. Tackle blocks and hoisting of every description for every purpose.

BLOCK 5

516. Columbus Buggy Co., Columbus, O. Vehicles and harness.

277-1. Auburn Wagon and Buggy Works, Auburn, Ind. Vehicles.

277-2. W. H. Kiblinger Co., Auburn, Ind. Vehicles.

277-3. P. Hayden Sad. Hdw. Co., St. Louis, Mo. Saddlery hardware.

277-4. Fairest Wheel Co., Pana, Ill. Wheels. W. B. Neff, St. Louis, Mo., agent.

515. **Pacific Mail Order Co.**, 208 First Street, Portland, Ore. Collective exhibit, booth 515,

Transportation Building. "Everything you use, eat or wear" at wholesale prices. Send for catalogue. Country produce a specialty. We buy everything you raise, make or sell.

515-4. Elastic Pulp & Plaster Co., Portland, Ore. Fire proof plaster. Pacific Mail Order Co., Portland, agents.

232B. Chas. H. Dodd, Portland, Ore. Agricultural implements.

232B-1. Burg Wagon Co., Burlington, Iowa. Farm wagons.

232B-2. Adriance, Platt & Co., Poughkeepsie, N. Y. Mowers.

232B-3. Rock Island Plow Co., Rock Island, Ill. Plows.

232B-4. American Harrow Co., Detroit, Mich.

289. The Geo. Lawrence Co., Portland, Oregon, Saddlery.

238. The P. J. Cronin Co., Portland, Oregon. Saddlery.

680. Kullman, Salz & Co., San Francisco, Cal. Tanners; exhibits of oak, sole, harness and skirting leathers. Tannery, Benecia, Cal.; offices, San Francisco and Chicago.

258. Breyman Leather Co., Portland, Oregon. Manufacturers harness, strap work and saddles; dealers in fine saddlery goods, saddlery hardware, findings, shoe store supplies, leather of all kinds.

BLOCK 6

168. Studebaker Bros. Co. Northwest, Portland, Ore.. Vehicles of all descriptions.

BLOCK 7

Tracks

510 $\frac{1}{2}$. Oregon Pony Locomotive. First locomotive used in Oregon in 1862 and 1863 at the portage of the Cascades. It ran on wooden rails covered with strap iron.

559. Burnham, Williams & Co., Baldwin Locomotive Wks., Philadelphia, Pa. Freight locomotive, logging locomotive, electric locomotive and electric car trucks.

346 $\frac{1}{2}$. St. Louis Refrigerator Car Co., St. Louis, Mo. Refrigerator cars.

395. Lima Locomotive Co., Lima, O. Shay geared locomotive.

531. Railway & Steel Supply Co., Portland, Ore. Logging locomotive, logging trucks and dump cars.

531 $\frac{1}{2}$. Climax Mfg. Co., Corry, Pa. Locomotive.

Electricity Section

BLOCK 1

385A. Pacific States Telephone & Telegraph Co., Portland, Ore. Telephonic.

358F. Pacific Coast Biscuit Co., Portland, Ore. Confectionery.

BLOCK 2

384. Western Electric Co., San Francisco, Cal. Electrical machinery and appliances.

BLOCK 3

504. Standard Underground Cable Co., Pittsburg, Penn. Manufacturers of bare and insulated copper wires and cables for all electrical purposes.

236. American School of Correspondence, Chicago, Ill. An exhibit demonstrating the adaptability of correspondence instruction to the best modern engineering.

520. B-R Electric & Telephone Mfg. Co., Kansas City and Portland. Telephone and electrical appliances. W. D. DeVarney, Pacific Coast Representative.

569. Northern Electrical Mfg. Co., Madison, Wis. Electrical machinery and appliances.

BLOCK 4

597. Westinghouse Electric & Mfg. Co., Seattle, Wash. Electric machinery and appliances.

BLOCK 5

525A. General Electric Co., Schenectady, N. Y. Electrical machinery and appliances.

BLOCK 6

525B. General Electric Co., Schenectady, N. Y. Largest manufacturers of electrical apparatus in the world; also manufacturers of Curtis Steam Turbine.

Machinery Section

BLOCK 1

111½. Dodge Mfg. Co., Mishawaka, Ind. Power and transmission machinery.

602B. Walter Reed Optical Concession Co., Portland, Ore. Optical concession.

BLOCK 2

111. Willamette Iron & Steel Works, Portland, Ore. Engines and general machinery.

111-1. The Shaw Electric Crane Co., Muskegon, Mich. Operative traveling crane. Willamette Iron & Steel Works, agents.

BLOCK 3

242-1. American Wood Working Machinery Co., New York, and Chicago. Wood working machinery. Tatum & Bowen, Portland, agents.

242-2. Ames Iron Works, Oswego, N. Y. Engines and boilers. Tatum & Bowen, agents.

242-3. R. Hoe & Co., New York, Chisel tooth saws. Tatum & Bowen, agents.

242-5. J. S. Mundy, Newark, N. J. Engines. Tatum & Bowen, agents.

242-6. Fox Machine Works, Grand Rapids, Mich. Wood working machinery. Tatum & Bowen, agents.

242-7. Curtis & Co. Mfg. Co., St. Louis, Mo. Saw mill machinery. Tatum & Bowen, agents.

BLOCK 4

127. Columbia Engineering Works, Portland, Oregon. Hydraulic machinery, saw mill machinery, mining machinery, logging machinery, steel castings, marine and stationary engines.

761. Vulcan Iron Works, Denver, Colo. Foundry products. Fairbanks, Morse & Co., Chicago, Ill., agents.

TATUM & BOWEN

Established 1876

DEPOTS AND AGENTS FOR MODERN WOOD-WORKING MACHINERY,
SAW MILLS AND POWER PLANTS

AMERICAN WOOD-WORKING MACHINERY CO.—Modern Planing Mill,
Sash and Door-Factory and Furniture-Factory Machines

AMES IRON WORKS—Steam Boilers and Engines; Power Plants; Engines
for Electric Lighting and Heavy Duty

R. HOE & CO.—The Original Chisel-Tooth Saw

J. S. MUNDY—All-Steel Logging Engines; Engines for mines and Contractors

FOX MACHINE WORKS—Tools for Trimming Wood

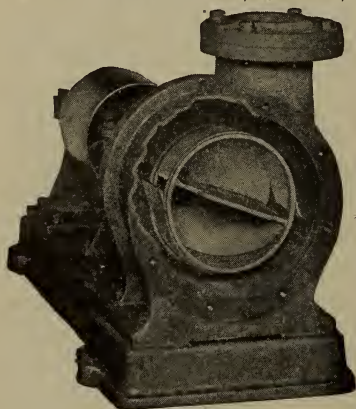
CURTIS & CO. MFG. CO.—Light and Medium Saw Mill Equipment

Brooks' Centrifugal Pumps

Single Stage and Compound

See the Brooks' Pump in operation at Alaska Klondike Gold Mining Exhibit, immediately at entrance walk to Trail

For Fire Service in Towns, Mills, Factories, Warehouses, Water Supply, Irrigation, Sewerage, Dredging, Pumping Sand, Tank Pumping in Houses and High Buildings, Railroad Water Tanks, Mines, Boats, Soap Works, Chemical Laboratories, Breweries, Refineries, Portland Cement Plants, Quarries, Etc.



(Patented)
Piston in Brooks' Pump

Note:

Suction, 31 feet.
Vacuum, $28\frac{1}{2}$ inches.
Pressure, 60 pounds.
Efficiency (Armour Institute test), 84%.



(Patented)

Piston in Brooks' Pump for pumping heavy solutions, sand, etc.

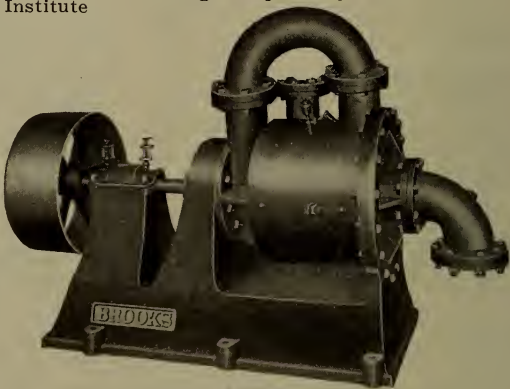
The vacuum created by the Brooks' Sand Piston is $28\frac{1}{2}$ inches. This fact, together with the evident simplicity of design and freedom from sharp angles gives the Brooks' Dredging Pump unchallenged superiority.

A NEW MECHANICAL PRINCIPLE

Unlike any other centrifugal pump the Brooks' does not depend upon close contact between the revolving piston and the cylinder for its efficiency. In the Brooks' there is a complete absence of valves, vanes, springs or gears. There is nothing to get out of order or to become clogged. In the Brooks' therefore the minimum of wear is insured and the efficiency is maintained indefinitely. Investigate the Brooks'. Send for 'Why' Bulletin.

Write for Bulletin No. 1; it tells "why."

Write for irrigation or mining propositions.



(Patented)

Type B—Slow Speed, Two Stage

The Brooks' can be belt driven or direct connected to any motive power.

THE DAYTON HYDRAULIC MACHINERY CO.
DAYTON, OHIO

PIERCE & CO., Pacific Coast Agents, Flood Building, SAN FRANCISCO

762-1. **Dayton Hydraulic Machinery Co.**, Dayton, O. Brooks centrifugal pumps, suction 31 ft.; vacuum 28½ inches; pressure 60 lbs. Manufactured by Dayton Hydraulic Machinery Co., Dayton, Ohio. C. D. Pierce & Co., Flood Building, San Francisco, agents for Washington, Oregon, California, Nevada and Arizona. Fairbanks, Morse & Co., representatives.

190. **The Graton & Knight Mfg. Co.**, Worcester, Mass. Tanners and Manufacturers of Oak tanned leather belting. Main office and factory, Worcester, Mass. Pacific Coast branches; Portland, Seattle and San Francisco. Neptune and special planer leather belting. **G U A R A N T E E D STRICTLY WATERPROOF.**

601. **Byron Jackson Machine Works**, San Francisco, Cal. Machinery.

163. **Morley Brothers**, Saginaw, Mich. Makers of the celebrated Blueine Logging Tools, peavies, canthooks, pikepoles. Catalogue free.

BLOCK 5

742. **Replogle Governor Works**, Akron, Ohio. Full series consisting of four new type mechanical relay governors. Our two exhibits occupy one allotment of 15x23 ft. space.

742-1. **The Akron-Salle Co.**, Akron, Ohio. Representative line of Salle-Patent spring wagon gears and accessories.

263. **Fairbanks, Morse & Co.**, Chicago, Ill. Gas engines and machinery of all description.

263-1. **E. & T. Fairbanks Co.**, St. Johnsbury, Vt. Gas engines and parts. Fairbanks, Morse & Co., agents.

263-2. **Duff Mfg. Co.**, Pittsburg, Pa. Railroad lifting jacks. Fairbanks, Morse & Co., agents.

263-3. **Pittsburg Gage & Supply Co.**, Pittsburg, Pa. Oil filter. Fairbanks, Morse & Co., agents.

263-4. **Dayton Electrical Mfg. Co.**, Dayton, O. Dynamos. Fairbanks, Morse & Co., agents.

265A. **A. M. Hall**, Washington, D. C. Wood turning lathe.

457. **William Rickards**, Portland, Ore. Electrical appliances.

BLOCK 6

Concession.

589. **John A. Roebling's Sons Co.**, Trenton, N. J. Manufacturers of wire rope and wire of every description. Works at Trenton, N. J.

BLOCK 7

381. **Pacific Steel & Wire Company**, San Francisco, Cal. Wire rope, springs, bale ties, field and poultry fencing, electrical and miscellaneous wires.

433. **C. B. Borquist**, Portland, Ore. Loggers' tools.

404A. **Anti-Selenite Co.**, St. Louis. Scale solvent.

404B. **Wagner Electric Mfg. Co.**, Chicago. Electrical appliances.

114A-2. **Swenson Grubber Co.**, Cresco, Iowa. Manufacturers of Swenson's malleable iron stump pullers; only malleable grubbing machine manufactured. **Reierson Machinery Co.**, Portland, Ore., agents.

114A-3. **National Engineering Co.**, Saginaw, Mich. Manufacturers of National gasoline pumping engines. **Reierson Machinery Co.**, Portland, agents.

114A-4. **Buffalo Gasoline Motor Co.**, Buffalo, N. Y. Manufacturers of marine motors. **Reierson Machinery Co.**, Portland, agents.

114A-5. **E. W. Vanduzen Co.**, Cincinnati, O. Manufacturers of chimes, church bells, ship syphons and gongs. **Reierson Machinery Co.**, Portland, agents.

114A-6. Sarvent Marine Engine Works, Chicago, Ill. Manufacturers of gasoline marine engines in sizes up to 100 horse power. Reiersen Machinery Co., Portland, agents.

114A-7. Rife Engine Mfg. Co., New York City. Manufacturers of the Rife Hydraulic Ram. Reiersen Machinery Co., agents, Portland.

577. Truscott Boat Mfg. Co., St. Joseph, Mich. Modern marine engine boat.

512. Moran Flexible Joint Co., Louisville, Ky. All metal flexible joints for steam, air or liquor; also automatic barrel fillers, fills and liquid.

265. A. M. Hall, Washington, D. C. Wood turning lathe.

BLOCK 8

477. Aultman & Taylor Machinery Co., Mansfield, O. Agricultural Implements.

667. Krips-Mason Machine Co., Philadelphia, Pa. Cutting and punching machines.

667-1. The Kinetic Elec. Co., Philadelphia, Pa. Motors. Krips-Mason Machine Co., agents.

416. The A.H. Averill Machinery Co., Portland, Ore. Engines.

416-1. The Russell & Co., Massillon, O. Thresher. Traction engine and saw mill engine.

416-2. The Russel Engine Co., Massillon, O. 4 valve automatic engine and single valve automatic engine.

BLOCK 9

160. The Wm. Powell Co., Cincinnati, Ohio. Engineers specialties.

364. Gauld & Kline Co., Portland, Ore. Plumbing goods.

316. Manson Campbell Co., Ltd., Detroit, Mich. Fanning mills.

692. J. G. Brill & Co., car and truck builders, Philadelphia, Pa. Exhibit a pair of trucks of the No. 27-F type. This truck is an adapt-

ation to city service of the Brill high-speed truck No. 27-E. The system of equalization is the only improvement on the "M. C. B." method in thirty years. Solid forged side frames.

539. Meese & Gottfried Company, 167-179 Fremont Street, San Francisco, Cal. Engineers and machinists. Power transmitting machinery and all pertaining thereto. Elevating and conveying machinery. Seattle branch, 219 Occidental Avenue.

114B-2. Enterprise Mfg. Co., Columbus, Ohio. Manufacturers of saw mill machinery, engines and boilers. New Buckeye improved mills with Hempy's patent variable feed. Reiersen Machinery Co., agts., Portland, Ore.

114B-3. Ohlen Saw Mfg. Co., Columbus, Ohio. Manufacturers of the celebrated Ohlen saws, solid and inserted teeth. Reiersen Machinery Co., Portland, Ore.

114B-4. Fosston Wind Stacker Co., St. Paul, Minn. Manufacturers of Russell elevating graders and ditchers. Reiersen Machinery Co., Portland, Ore.

114-B-5. Phelps Biglow Wind Mill Co., Kalamazoo, Mich. Manufacturers of IXL Windmills and towers. Reiersen Machinery Co., agents, Portland, Ore.

213. E. S. Craven, Newberg, Ore. "The Oregon" hay baler.

479. Biddle & Coad, Dallas, Ore. Hops press machine.

256. Collins Plow Company, Quincy, Ill. Hay presses; automatic feed, belt and horse power, capacities fifteen to one hundred tons day.

NORTH SIDE ANNEX

Machinery, Electricity and transportation.

428. The Holt Manufacturing Co., Walla Walla, Wash. This exhibit contains a Holt Bros.' Side Hill Combined Harvester, a

model steam harvester for King of Spain, weeder, scraper, roller.

529. Gilbert Hunt Co., Walla Walla, Wash. Pride of Washington thresher, Wilson patent horse power, Gilbert Hunt bagger and roller grain crushers.

749. **Niagara Sprayer Co.**, 29-41 Perry St., Buffalo, N. Y. Spraying machinery and attachments. Mounted Niagara gas sprayer with tower.

232A. Chas. H. Dodd, Portland, Ore. Wagons and farmers' implements.

232A-1. Dempster M. & M. Co., Beatrice, Neb. Windmills and pumps.

232A-2. Dedrich Sons Co., Albany, N. Y. Power hay presses.

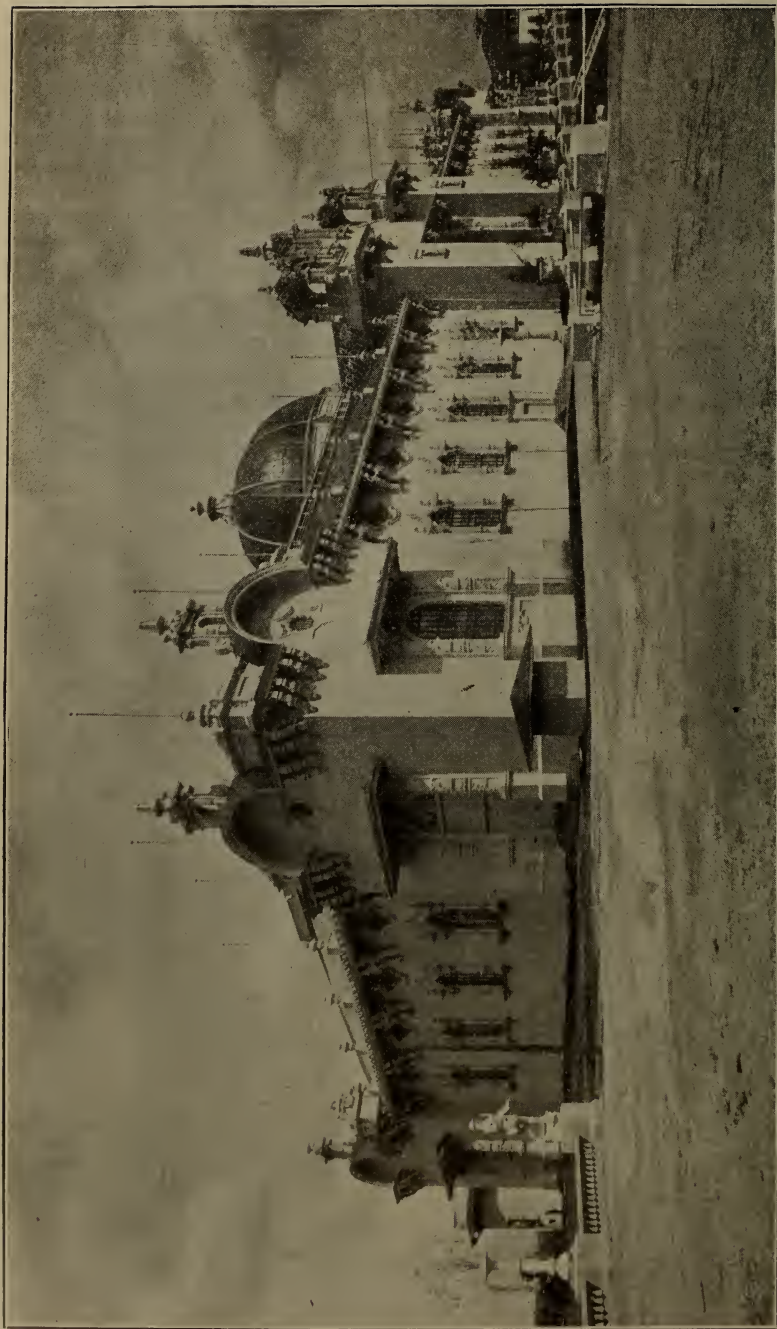
232A-3. Veatt Hay Press Co., Kansas City, Mo. Full circle horse collars.

232A-4. Foos Gas Engine Co., Springfield, Ohio. Gas and gasoline engines.

232A-5. I. S. Rowell Mfg. Co., Seeders and Drills.

114B-6. Kelly & Taneyhill Co., Waterloo, Iowa. Manufacturers of oil and well drilling machinery; 42 different styles; will drill any depth. Reiersen Machinery Co., agents, Portland, Ore.

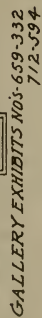
114B-1. Chas. A. Stickney Co., St. Paul, Minn. Manufacturers of stationary and portable gasoline engines. Reiersen Machinery Co., agents.



—Photo by Official Photographic Company

AGRICULTURAL PALACE

GALLERY
U.S. GOV'T CUSTOMS OFFICES



W. H. Wood

PRESIDENT

FLOOR PLAN: AGRICULTURAL BUILDING

Key to Installation: The figures in the floor plan refer to the serial number of each exhibit

Agricultural and Horticultural Palace

HENRY E. DOSCH
Director of Exhibits

W. H. WEHRUNG
Superintendent

CLASSIFICATION

Agricultural and Horticultural Products

- Group 79. Farm crops.
- Group 80. Fertilizers.
- Group 81. Tobacco. Equipment, processes and products.
- Group 82. Appliances and methods used in agricultural industries.
- Group 83. Theory of agriculture. Agricultural statistics.
- Group 84. Vegetable food products, agricultural seeds.
- Group 85. Animal food products.
- Group 86. Equipment and methods employed in the preparation of food.
- Group 87. Farinaceous products and their derivatives.
- Group 88. Bread and pastry.
- Group 89. Preserved meats, fish, vegetables and fruits.
- Group 90. Sugar and confectionery, condiments and relishes.
- Group 91. Waters
- Group 92. Wines and brandies.
- Group 93. Syrups and liquors; distilled spirits; commercial alcohol.
- Group 94. Fermented beverages.
- Group 95. Inedible agricultural products.
- Group 96. Insects and their products; plant diseases.
- Group 105. Appliances and methods of pomology viticulture, floriculture and arboriculture.
- Group 106. Appliances and methods of viticulture.
- Group 107. Pomology.

Group 108. Trees, shrubs, ornamental plants and flowers.

Group 109. Plants of the conservatory.

Group 110. Seeds and plants for gardens and nurseries.

Group 111. Arboriculture and fruit culture.

BLOCK 1

570. California State Commission, Gov. Geo. C. Pardee, Pres't. J. A. Filcher and Frank Wiggins, Commissioners.

570-6. California Cannery Association. Collection canned fruits, vegetables and products.

570-1. California State Board of Trade. Collective exhibit of California products.

570-2. Bishop & Co., Los Angeles, Cal. Preserved fruits.

570-3. Ellwood Cooper. Olive oil and pickled olives.

570-4. Ehmann & Co., Olive oil and pickled olives and olive oil emulsions.

570-5. California Sanitary Fruit Co. Dried and other cured fruits.

173. Walker & Co., St. Louis, Mo. Loom in operation.

532. Figprune Cereal Coffee, Made from fruits and grains at San Jose, Santa Clara Co., California.

296. **The Old Jordan Dist'g Co.**, Louisville, Ky. Showing in their quaint Log Cabin the oldest distillery in, as well as the best product of Kentucky. Orders for sample bottles given away free at this booth will be honored by the distributors. Chas. Stern & Co., 164 First St., Portland, Ore.

234. **Wm. Henning Co.**, Chicago, Ill. Manufacturers and packers of pure food products. Vinegar, pickles, olives, relishes, condiments, etc.

469. **Storz Brewing Co.**, Omaha, Neb. Brewers products.

Concessions.

BLOCK 2

550. **Oregon State Commission**, Jefferson Myers, President; C. V. Galloway, Superintendent. Collective Agricultural and Horticultural Products by:

1. Lane County.
2. Douglas County.

Captain Ben Boswell, proprietor Boswell Springs Hotel. Exhibit of mineral water from Boswell Springs, Douglas county, Oregon. Buy tickets from S. P. R. R.; take morning train from Portland.

3. Linn County.
4. Clackamas County.

BLOCK 3

5. Benton County.
6. Josephine County.
7. Yamhill County.
8. Polk County.
9. Umatilla County.

BLOCK 4

430. **Nebraska State Commission**, W. P. Warner, President; H. G. Shedd, Secretary. Moving pictures showing Nebraska's resources and industries and collective agricultural exhibit consisting of 250 entries.

BLOCK 5

549. **Oregon Horticultural Exhibit**, Jefferson Myers, President; C. V. Galloway, Superintendent. Consisting of 40 entries of apples, nuts, etc.

BLOCK 6

135. **Weinhard's**. City brewery, Portland, Ore. Brewing products.

152. **The M. Hommel Wine Co.**, Sandusky, O. Wines.

617. **North Pacific Brewing Co.**, Astoria, Ore. Brewing Products.

121. **Albers Bros. Milling Co.**, Portland, Ore. Health foods, flour, etc.

602A. Optical concession.

398. **Louisiana State Commission**, J. G. Lee, Commissioner, rice products.

284. **Pacific Coast Syrup Co.**, Portland, Ore. Syrup and preserves.

283. **Portland Sanitarium Food Co.** Manufacturers of prepared cereal foods, nut butter, salted peanuts, crackers, graham and whole wheat flour, etc.

507. **M. J. Brandenstein & Co.**, San Francisco, Cal. M. J. B. coffee, free tea (all flavors).

264. **Blumauer & Hoch**, Portland, Ore. Moet & Chandon White Seal Champagne; Green River Whiskey, Green River Distilling Co., Owensboro, Ky., Cresta Blanca Wines, Wetmore, Bowen Co., San Francisco; Castle Rock Mineral Water, Castle Rock, Springs Co., Castle Rock, Cal.; California Fig Bitters, California Extract of Fig Co., San Francisco, Cal.

248. **Old Joe Gideon Whiskey**. Greenbaum Bros., Louisville, Ky.

212. **S. Hirsch & Co.**, Kansas City, Mo. Quakermaid Rye and Crystal Brook Bourbon.

355. The E. G. Lyons & Raas Co., San Francisco, Cal. Whiskey.

203. W. J. Van Schuyver & Co., Portland, Ore. "Old Goods" booth of Cyrus Noble whiskey.

BLOCK 7

519. Natural Food Company, Niagara Falls, N. Y. Shredded wheat biscuit and triscuit. Process of manufacture, demonstration, cooking lessons. Interesting, instructive.

311. **Borden's Condensed Milk Co.**, New York City. Originators of condensed milk. Established 1857. Largest manufacturers of milk products in the world. Highest award received wherever exhibited.

528. Pacific Coast Condensed Milk Co., Seattle, Wash. Manufacturers of the celebrated carnation cream, the cream of creams.

528½. Sanipure Food Co., Seattle, Wash. Manufacturers of Sanipure Milk. Nature's food for infants and invalids.

251. Oregon Condensed Milk Co., Hillsboro, Ore. Condensed milk.

540. Wadhams & Co., Portland, Ore. Display of diamond "W" brand highest grade canned fruits, vegetables, baking powder, extracts, spices.

540-1. Joseph Tetley & Co., London, England. The largest tea merchants in the world. Display of India and Ceylon teas. Wadhams & Co., distributors.

BLOCK 8

542. **Oregon State Commission**, Jefferson Myers, President; R. Scott, Superintendent. Collective Dairy Exhibits.

137A. Hazelwood Cream Co., Portland, Ore. Dairy products; ice cream and United Metile Co.

397. Harris Ice Machine Works, Portland, Ore. Ice making machinery.

BLOCK 9

358B. Pacific Coast Biscuit Co., Portland, Ore. Candies, etc.

109. **Clossett & Devers**, Portland, Ore. Coffees, teas, spices, baking powder, flavoring extracts. Proprietors of the celebrated "Devers Golden West" brand.

411. Huntley Mfg. Co., Silver Creek, N. Y. Coffee Roasting machine.

109½. The Holtzer Cabot Electric Co., Brookline, Mass. Manufacturers of motors, dynamos, telephones, etc.

247. **De Laval Dairy Supply Co.**, San Francisco, Portland and Seattle. Exhibit of cream separators and dairy supplies. Pacific Coast Agents for the DeLaval Cream Separators, Farrington Duplex Pasteurizers, Wizzard and Disbrow combined churns, Wizzard cream ripeners. Also carry a complete line of creamery, cheese factory and dairy apparatuses and supplies. Portland office, 107 First St.

223-18. Iowa Dairy Separator Co., Waterloo, Iowa. Manufacturers of high-class hand separators for dairy use. Correspondence solicited.

472. **Empire Cream Separator Co.** Look up the easy running Empire, located in Agricultural Building. We will be glad to see you.

112. Monroe & Weatherly, Portland, Ore. Simplex separators, "Facile" Babcock milk testers, dairy creamery supplies, Simplex combined churns.

112-1. D. H. Burrell & Co., Little Falls, N. Y. Separators. Monroe & Weatherly, Agents.

112-2. Pittsburg Steel Co., Pittsburg, Pa. Manufacturers of Pittsburg perfect steel fence. Monroe & Weatherly, Agents.

112-3. Baker & Hamilton, San Francisco, Cal. Wagon Tong Spring. Monroe & Weatherly, Agents.

560. Sharpless Separator Co., West Chester, Pa. Cream separators.

574. D. H. Evans, Bellingham, Wash. Cider Press.

164. Arizona Board of Trade, Phoenix Ethnological Exhibits, by J. W. Benham.

BLOCK 10

124-1. Wasco Warehouse Milling Co., The Dalles, Ore. Flour. Allen & Lewis, agents.

124. Preferred Stock Canned

and Glass Goods, in Allen & Lewis' Pure Food Exhibit, near east central entrance Agricultural Palace.

399. Towle Syrup Co., St. Paul, Minn. Log Cabin maple syrup. Near east central entrance Agricultural Palace. Free demonstrations daily.

124½. **The Sir Thomas Lipton Co.** Lipton's teas, famous for the enormous quantity consumed in every country on the globe, as well as the superior quality which has secured for them the highest awards at all leading expositions for years, will be displayed, sold and sampled in the Agricultural Building. Exhibit also at British Empire Section, Foreign Building.

LIPTON'S

CEYLON TEAS

LEAD THE WORLD



¼s, ½s and 1-pound
Air-tight Cans

ST LOUIS EXPOSITION

(AWARDS)

GRAND PRIZE AND GOLD MEDAL

(FOR PACKAGE TEAS)

NOTHING BETTER · NOTHING CHEAPER

132. Wadhams & Kerr Brothers, Portland, Ore. Monopole fruits, vegetables, catsup, olives, syrup, preserves and fish in cans and glasses.

133. Kerr Glass Manufacturing Company, Portland, Ore. Economy Jars for canning all kinds vegetables, fruits, meats, fish,

game, fowl, pickles, soups, jellies, jams, etc.

133 $\frac{1}{2}$. Wadhams & Kerr Bros., Portland, Ore. Teas, coffees, baking powder and spices.

133 $\frac{1}{4}$. Dodson-Braun Mfg. Co., St. Louis, Mo. Cupid brand pickles, preserves and table condiments.

Monopole the Best

See Section 10, Space No. 132

Monopole Canned and Glass Fruits, Vegetables, Fish, Syrup, Mince Meat, Jellies, Jams, Preserves, Ketchups, Olives, Coffees, Teas, Spices, Baking Powder, Extracts, are the best. We are also packers of Palace Car Mocha and Java Blend Coffee, Red Cross Blend Coffee, Up-to-Date Basket-fired Japan Tea, Lion Japan Tea, Pyramid Ceylon Tea.

WADHAMS & KERR BROS.

COFFEE ROASTERS, WHOLESALE GROCERS and IMPORTERS
Portland, Oregon

The Economy Jar

See Section 10, Booth No. 132

Perfect for home-canning all kinds of fruits, vegetables, meats, fish, game, fowl, pickles, jellies, jams, etc.

Will keep every known article of food sweet and sound for years, and retain its natural fresh flavor.

So easy, quick and simple a child can seal and open it.

Self-sealing. No separate rubber ring.

No cutting or burning of fingers.

No mould, no poison. Sanitary.

Made in pints, quarts and half-gallons, white glass, three inch wide mouth.

The Economy Jar received the award and medal at World's Fair, St. Louis.

First premium and medal, California, Oregon, Idaho, Utah and Montana Fairs.

Endorsed by Mrs. Sarah Tyson Rorer. Endorsed by National Grange Convention, 1904.

Send us stamp and name of your dealer, and we will mail you complete booklet of recipes for home-canning.

KERR GLASS MANUFACTURING COMPANY, Portland, Oregon.

HOW IS YOUR APPETITE?

"Cupid Brand"

PICKLES AND PRESERVES

Awarded Grand Prize at St. Louis 1904

DODSON BRAUN MFG. CO. St. Louis, Mo.

BLOCK 11

235. Mellin's Food Co. Boston, Mass. Infant's food.

187. St. Charles Condensing Company, St. Charles, Ill. St. Charles Evaporated Cream, received highest award at World's Fair, Chicago, 1893; World's Fair, Paris, 1900; Trans-Mississippi Exposition, 1898; Pan-

American Exposition, 1901; Louisiana Purchase Exposition, 1904, and at many other of lesser note.

270. Genesee Pure Food Co., Le Roy, N. Y. Jell-o, America's most popular desert preparation. Jell-o ice cream powder, for making ice cream. All the ingredients in the package.

JELL-O

AMERICA'S MOST POPULAR DESSERT PREPARATION

A combination of gelatine and choice fruit flavors, sweetened and prepared in such a manner that the article is always uniform.

A delicate dessert can be made in a very short time by simply adding hot water and setting away to cool. The flavor and color is always perfect, and taken altogether JELL-O is the most PURE, WHOLESOME and APPETIZING food that can be produced.

Put up in choice flavors—Lemon, Orange, Raspberry, Strawberry, Chocolate and Cherry. Sold by all Grocers at 10 cents per package.

Use JELL-O ICE CREAM POWDER

FOR MAKING ICE CREAM

All the ingredients are in the package. JELL-O ICE CREAM POWDER is prepared from the purest ingredients that are used in making the finest French ice cream.

Pure and wholesome, and meeting with great favor everywhere.

With its use you do away with all the trouble connected with making your own ice cream in the old way. The result is sure and you have delicious ice cream at much less expense and better than you can buy.

Four flavors—Vanilla, Chocolate, Strawberry and Unflavored.

Retail price, 2 packages for 25 cents.

GENESSEE PURE FOOD COMPANY, LE ROY, NEW YORK

181. **Horlick's Food Co.,** Racine, Wis. Horlick's Malted Milk is pure, rich milk, combined with the extract of choice malted barley and wheat, evaporated to powder form, soluble in water. Also in tablet form. Specially designed for infants and nursing mothers, invalids, convalescents and the aged. Replaces tea, coffee and cocoa for the table, and its nutritive value and purity commend it to the athletes, travelers, etc. A. L. Bailbache, representing Horlick's Food Co., Racine, Wis.

673. **American Chocolate Factory,** San Francisco, Cal. Manufacturers of Malto Cocoa, ground chocolates and confectioner's chocolates. Chocolate and cocoas.

178. **Montana State Commission.** Collective Agricultural and horticultural exhibits.

647. **P. C. Tomson and Company,** Portland, Ore. Red Seal lye.

358A. **Pacific Coast Biscuit Co.,** Portland, Ore. Confectionery.

169. **J. H. Burden, Sacramento, Cal.** Grandma's Spanish pepper, a compound consisting of Chile peppers, cereals, oils, herbs and seeds for cooking and seasoning.

521. **Handy Things Co.,** Ludington, Mich., U. S. A. Manufacturers of hardware and wood-

enware. Specialties and enameled and plain wood turnings.

500. **Welch Grape Juice Co.,** Westfield, N. Y. Grape juice unfermented. The only grape juice sold on the grounds. Absolutely pure, without the addition of sugar or chemicals. Highest awards wherever exhibited.

655. **C. F. Blanke Tea and Coffee Co.,** St. Louis, Mo. Blanke's Faust Blend coffee, Grant's Log Cabin tea, and four other teas received highest award and gold medal, St. Louis, 1904.

110. **Union Meat Co.,** Portland, Ore. Packing house products. Packers Columbia brand hams, bacon and pure kettle-rendered lard; also canned meats. All our meats, both fresh and cured, are government inspected. Also manufacturers of glues, fertilizers and pulled wools.

301. **Bemis Brothers Bag Co.,** St. Louis, and Seattle. Grain bags.

358C. **Pacific Coast Biscuit Co.,** Portland. Confectionery.

BLOCK 12

550. **Oregon State Commission,** Jefferson Myers, President, C. V. Galloway, Superintendent. Collective agricultural and horticultural products by:

10. Union County.

11. Sherman County.

12. Gilliam County.

13. Wasco County.

Grandma's Spanish Pepper

Has been awarded four California State Diplomas for purity and excellency. It is a Spanish seasoning for cooking, not so hot but very delicious. For a weak stomach or poor digestion no seasoning on the market is as valuable.

In treating chronic stomach troubles I have learned that the character of seasoning used, and poor cooking, is oftentimes the cause of their condition—hence the discovery of this pure vegetable compound—a health-giving seasoning.

For sale by grocers at 20c per can, or will be sent by mail on receipt of price. If you have a weak stomach, write to

PROF. J. H. BURDEN

No. 7 FIRST STREET — PORTLAND, OREGON

BLOCK 12½

324. **Wyoming State Commission**, C. B. Richardson, Commissioner. Collective agricultural and horticultural products.

BLOCK 14

550. **Oregon State Commission**, Jefferson Myers, President, C. V. Galloway, Superintendent. Collective agricultural and horticultural products by:

- 14. Baker County.
- 15. Washington County.
- 16. Jackson County.
- 17. Morrow County.
- 18. Wallowa County.

BLOCK 15

550. **Oregon State Commission**, Jefferson Myers, President, C. V. Galloway, Superintendent. Collective agricultural and horticultural products by:

- 19. Marion County.
- 20. Lincoln County.
- 21. Columbia County.
- 22. Malheur County.
- 23. Harney County.

BLOCK 16

371. **H. J. Heinz Company**. Producers and manufacturers of 57 varieties pure food products—pickles, sauces, condiments, etc. Main plant and general offices, Pittsburg, Pa. 11 branch factories; 67 vegetable salting sta-

tions; 26 branch warehouses; 3000 employes. Highest awards wherever exhibited.

544. **North Dakota State Commission**. Warren N. Steele, commissioner. Collective agricultural and horticultural products, consisting of 112 entries of flour, wheat, flax, oats, rye, alfalfa, clover, timothy, barley, beans; also grains and seeds of all description.

Agricultural Building Gallery.

BLOCK 1

U. S. Custom House Offices.
Music Room.

BLOCK 2

766. Engineer Corps U. S. Army, Portland, Ore. Model of Columbia River Jetty. Superintendent's office.

BLOCK 3

Reserved

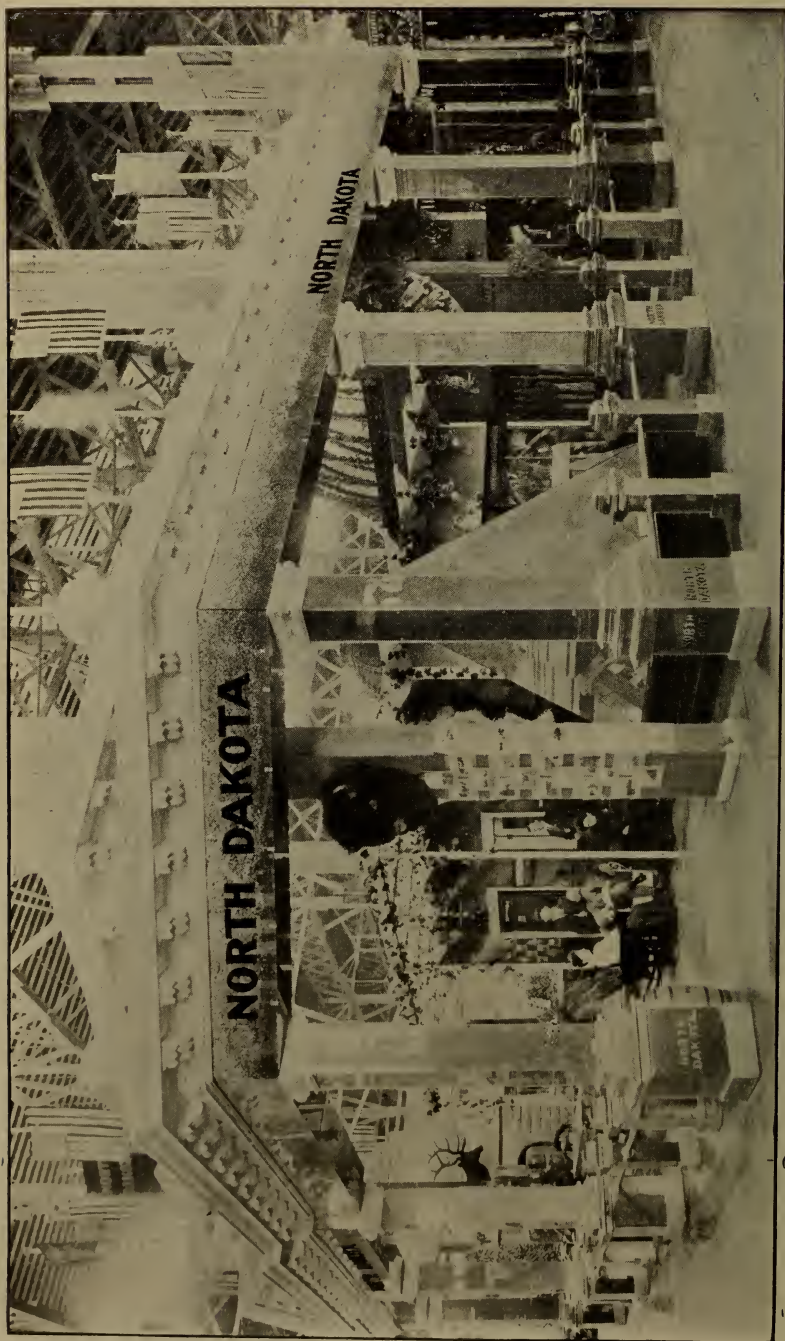
BLOCK 4

659. State Board of Charities and Correction, Portland, Society Literature.

332. National Consumers League, New York. Philanthropic work illustrated.

724. Florence Crittenton Rescue Home, Portland, Ore. Literature.

Watch Tacoma Grow



VIEW OF THE NORTH DAKOTA EXHIBIT IN AGRICULTURAL BUILDING.

Mines Building

HENRY E. DOSCH.
Director of Exhibits

J. F. BATCHELDER
Superintendent

BLOCK 1

325. Wyoming State Commission, C. B. Richardson, Commissioner. Collective mineral exhibit, consisting of gold, silver, copper ores, steel, coal, coke, lead, iron, clays, asbestos, building stone, onyx and marble, sand and lime stones, crude and refined oils, mineral paints, moss graphite, pyrites, granite, kaolin, mosaic plumbago, mica, agates, jaspers, fibrous talc, gypsum, asphaltum, bentonite, jet, tourmaline, beryl sulphides, chalcopyrite, agatized and petrified woods, glass, tripolite, fossil fish and other specimens. Also photos of mines and machinery, maps, geological and topographical features, literature and publication relating to Wyoming minerals.

602C. Optical concession.

BLOCK 2

459. Miracle Pressed Stone Co., 306 Boston Block, Seattle, Wash. Pacific Coast branch. T. Berte Smith, manager. Hollow concrete block machines.

403. Wilhoit Mineral Water Co., Wilhoit, Ore. Wilhoit water.

593. The U. S. Briquette Co., San Francisco, Cal. Oil briquettes. Superintendent's office.

461-4. Manganese Steel Co., N. Y. Safe.

583. Blake Mining & Milling Co., Denver, Colo. Ore separator.

486A. Winget Concrete Machine Co., Columbus, Ohio. Concrete machinery.

445B. Colorado annex. Ores and minerals.

773. Colorado School of Mines. Mining appliances.

BLOCK 3

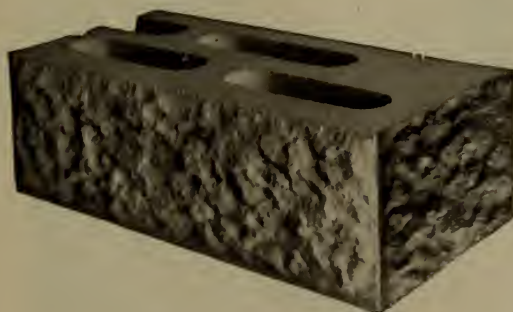
336. Pacific Coast Co., Portland, Ore. Coal mine model.

609. Tiffany & Co., New York. Gems, radium, etc.

508. Mineral Moss Co., Cleveland, O. Mineral moss and Wyoming Shale.

786. Baker & Co., Newark, N. J. Platinum, gold and silver refiners.

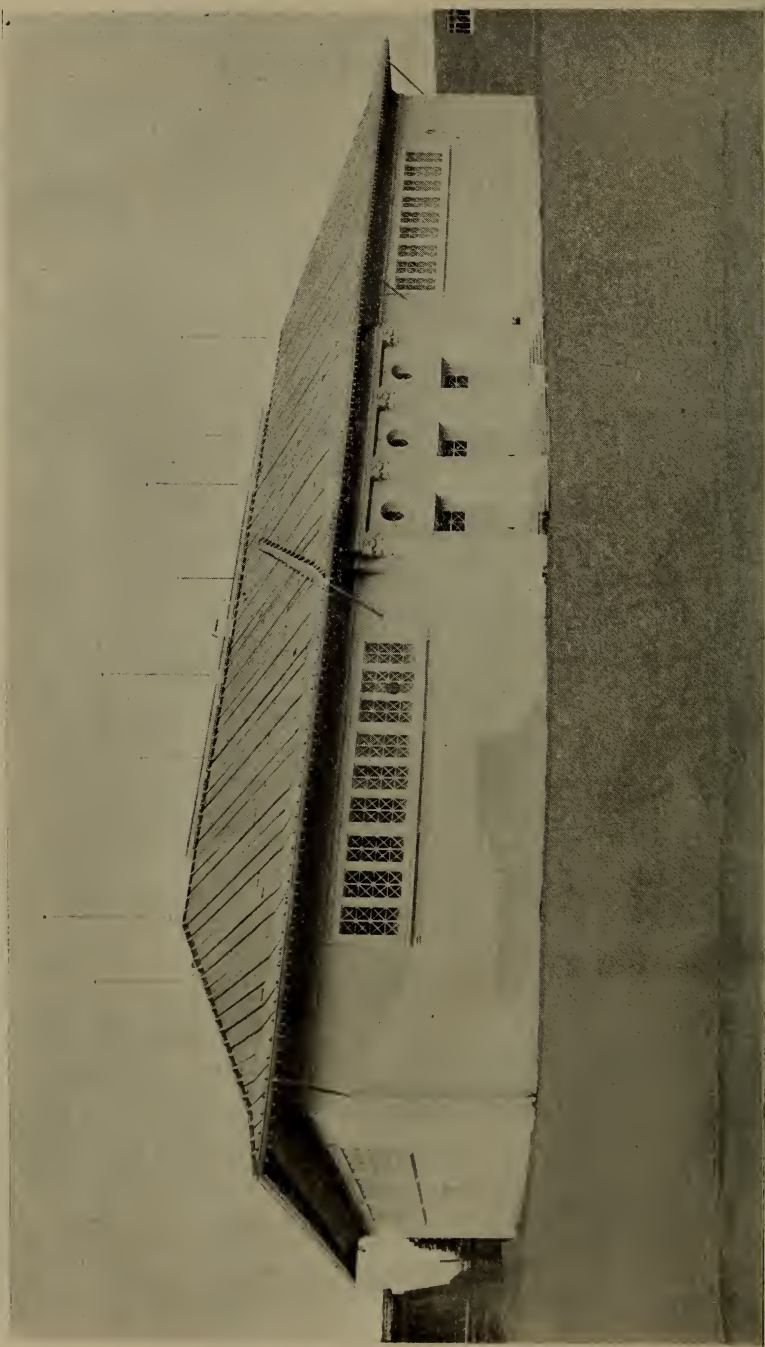
583. Standard Oil Co., Portland, Ore. Oils.



MIRACLE'S DOUBLE HOLLOW CONCRETE BUILDING BLOCK

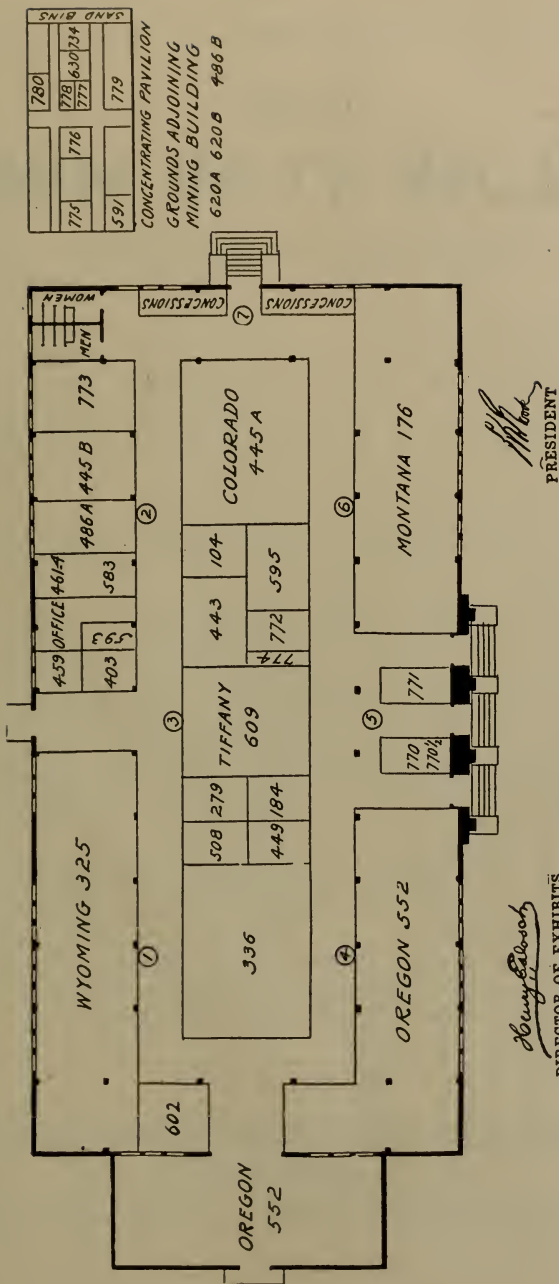
Patented June 9, 1903. Exclusive territory given with each machine. Do not fail to visit our exhibit in the

MIRACLE BUILDING
Northwest Cor. Mining Bldg



—Photo by Official Photographic Company

MINES BUILDING



Henry Edgworth
DIRECTOR OF EXHIBITS

The **POLAR STAR MINE**

A FORTUNE TO ITS INVESTORS

\$20,000 spent in development.

\$2.00 now on ore dump for every \$1.00 spent in development.

\$5.00 ore blocked out in mine for each \$1.00 on dump.

Property, 16 claims, 20 acres each; two mill sites, 5 acres each.

Water power and timber sufficient for all purposes and for all time.

A tunnel proposition operating at small cost.

Present shipping capacity of mine, 100 tons per day.

Capable of yielding large profits daily above all cost of production.

3,000 tons ore on dump, 25,000 tons ready to take out.

1,200 feet of tunnel and shaft work completed.

Rail transportation 25 miles distant; extension into district now in actual course of construction.

Confidently expect to pay dividends within twelve months.

A copper, gold and silver proposition; bearing copper from 8 to 40 per cent; gold from \$3 to \$11 per ton, and silver from \$3 to \$44 per ton; smelting test from average of ore, \$65.23 per ton.

A strictly business proposition founded upon facts.

Open to the most rigid investigation, regarding the company, its officers and management, as well as its property and all we claim for it.

\$1,000,000 capitalization, par value \$1.00, non-assessable.

All persons contemplating investment, will profit by looking into this property, for its possibilities are beyond computation.

All inquiries should be addressed to the

CASCADIA MINING & DEVELOPMENT CO.

1, 2 AND 3 CANTERBURY BLOCK

THIRD @ WASHINGTON STREETS PORTLAND, OREGON

279. **Cascadia Mining and Development Company**, revolving pyramid, gold, silver and copper ore from Polar Star Mine, St. Helens District. E. A. Sessions, president and manager, rooms 1, 2 and 3 Canterbury Building, Portland, Ore.

784. Madsen & Co., Horsens, Denmark. Linen prints.

787. F. W. Devoe & C. F. Reynolds, New York City. Varnishes.

443. **The Adamant Company**, Portland, Ore.

443-1. **Oregon Lime & Plaster Company**, Portland, Ore. Plastered booth showing the various descriptions of cement wall plasters and plaster paris, manufactured by these companies. All the material used in the staff work and wall plaster entering into the construction of the Lewis & Clark Fair Buildings manufactured and furnished by these companies.

104. Newberg Pressed Brick & Terra Cotta Co., Newberg, Ore. pressed bricks.

445A. **Colorado State Commission**, E. L. White, Commissioner. Beside the exhibit of the Mollie Gibson Mining Co., Aspen Col., a nugget weighing 39 pounds with 90 per cent silver. Topeka mine, Central, Col., granite slab showing a "freak in vein filling." Exhibit consists of the following specimens: free milling gold ore, smelting ore, rusty gold ore, native gold, free gold ore, concentrating gold ore, gold-silver ore, milling ore. Silver ore, silver gold ore, ruby and horn silver ores, native silver, silver lead ore, wire and native silver ore, polybasite, silver and copper ore, gerargyrite, silver in tale, lead ore, lead carbonate, galena ore, cerussite. Copper ore, glance, bornite, native copper, grey copper ore, chrysocolla, enargite, malachite. Iron ore, rhodochro-

site, manganese, sulphide, zinc ore, gypsum, limonite, carnotite, lithograph stone, sphalerite, miscellaneous ores, rose quartz, wolframite, hubnerite, rohoehrosite, corundrum, pyrite. The Van Briggles Pottery Company, Colorado Springs. Evolution of the finished vase from the crude clay. United Oil Company, Florence, Col. Twenty samples of petroleum. The Colorado Fuel & Iron Company, Denver, Colo. Bituminous, anthracite coal and coke. Porter Coal Co. La Platte County Bituminous coal. Ute-Cunningham Coal Co., Durango, Col. Bituminous coal. Silver Creek District; 65 specimens of gold and silver tellurides classed as sylvanite, krennerite, calaverite, associated with phonolite and granite. Uranium. Uraninite or pitchblende. Loring Gale Nesmith, Central City, Colorado. Kirk Mines, specimens containing the highest per cent of radium or any known mineral.

595. H. H. Tammen Curio Co., Denver, Colo. Curios.

772. U. S. Geological Survey, Government publications.

774. Eimer & Amend, New York. Radium products.

184. The Mining World, New York. Publications.

449. Geo. F. Lucas, Cleveland, O. Emery stones.

BLOCK 4

552. **Oregon State Commission**, Jefferson Myers, Commissioner. Mineral specimens from the following counties and districts:

Counties: Baker, Linn, Clackamas, Crook, Union, Jackson, Malheur, Josephine, Douglas, Umatilla, Marion, Morrow, Harney, Lane, Tillamook, Grant, Wallowa.

Districts: Huntington, Haines, Helena, Powder, Susanville, Pine, Mormon, Balm Creek, La Grande,

Ibex, Iron Dyke, Pl Valley, Sparta, Greenhorn, Burnt River, Strawberry, Cable Cove, Cornucopia, Eagleton, Cracker Creek, Burkemont, Virtue, Red Roy, Quartzburg, Granite, Pocahontas, Sumpter, Rock Creek, Pleasant Valley, Deer Creek, Prairie, Auburn, Sparta, Love Creek, Canyon City, Bridgeport, Oswego, Bonanza, Haines, Elkhorn, Pine Valley, Sanger, North Powder, Iron Dyke, Weatherby.

The specimens consist of gold quartz, copper, granite, silver, iron, lead, building stone, vanadium, petrification, ethnological, slag, rock crystal, fossils and pebbles.

BLOCK 5

770. Fidelity Gold & Copper Mining Co., Portland, Ore. Gold, silver and copper ores.

770½. National Copper Co., of Mines, Portland. Gold, silver, and copper ores.

771. Washington State Commission. Elmer E. Johnston, commissioner. Collection of ores.

BLOCK 6

176. Montana State Commission. Collective mineral exhibit. Gold nuggets and crystals, native silver, gold, silver copper and lead ores, smelter products, coal, mineral specimens, corundum, sapphires, graphite, building stone, onyx, gypsum, limestone, lime, grindstones, molybdenite, stibnite, iron ore, brick, fire clay, mineral paint. Also models, maps, literature, diagrams, photographs, etc.

BLOCKS 1 AND 7

Concessions

U. S. Geological Survey.
Concentrating pavilion.

794. Robert H. Richards, Boston. Hydraulic classifier.

BLOCK 2

780. Dillon Concentrator Co., Denver, Colo. Dillon Concentrator.

782. C. Christensen, Oretown, Ore. Ore Concentrator.

BLOCK 3

778. Thos. J. Lovett, Chicago, Ill. Magnetic Separator.

777. Bowers Rubber Co., San Francisco, Cal. Concentrator belt.

630. Joshua Hendy Machine Works, San Francisco, Cal. Pinder separator.

734. Miller-Muller Co., Idaho. Ore Muller.

BLOCK 4

775. Mine & Smelter Supply Co., Denver, Colo. Wifley separator.

776. Wetherill Separating Co., New York. Wetherill separator.

BLOCK 5

591. American Concentrator Co., Joplin, Mo.

BLOCK 6

779. Geo. E. Woodbury, San Francisco, Cal. Woodbury Separator.

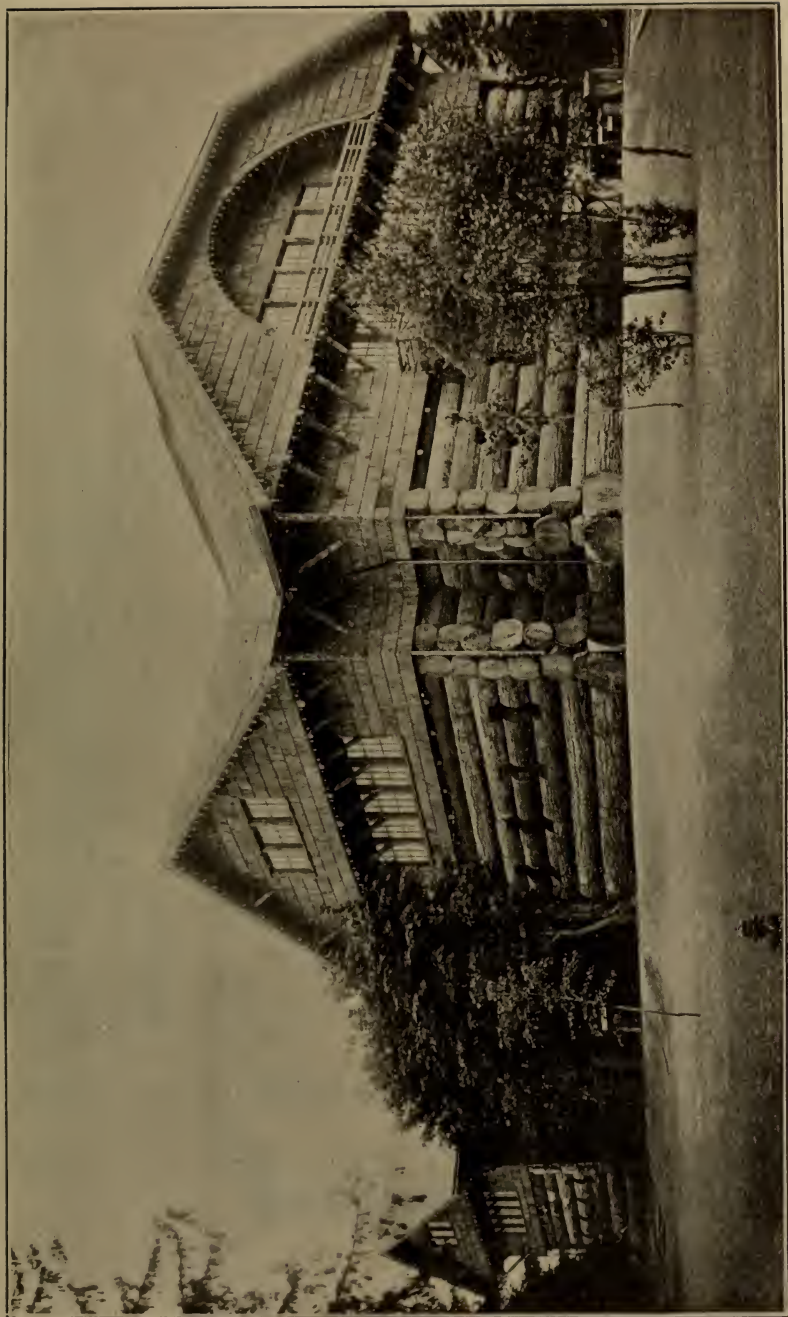
ADJOINING MINES BUILDING

620A. Contracting-Engineering Co., Portland, Ore.; Fidelity building, Tacoma. Reinforced concrete, fireproof construction, concrete building blocks. General contractors and engineers. Concrete chimneys a specialty.

620½A. Cement Machinery Co. Contracting Engineering Co., agents. Normandin hollow concrete building block machines. Complete installations, estimates and plans.

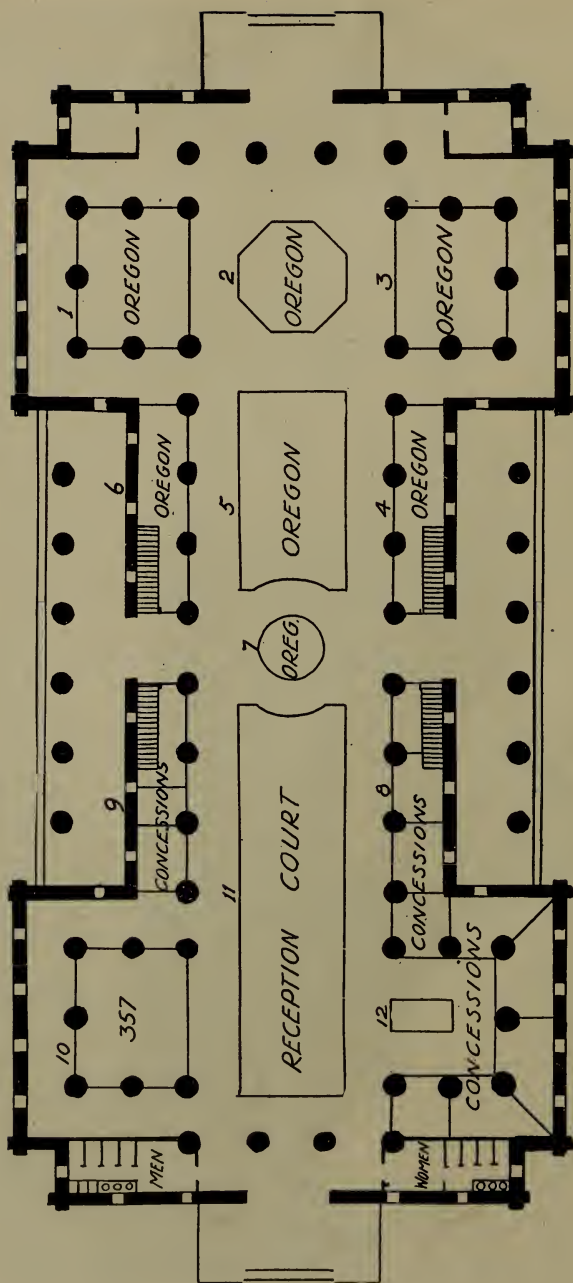
620B. Concrete Machinery Co., Jackson, Mich. Machine for making concrete blocks and building.

486B. Winget Concrete Machine Co., Columbus, O. Machine for making concrete blocks.



—Photo by Official Photographic Company

FORESTRY BUILDING



PRESIDENT
W. B. Lockwood

Henry Baloch
DIRECTOR OF EXHIBITS

FLOOR PLAN: FORESTRY BUILDING

Key to Installation: The figures in the floor plan refer to the serial number of each exhibit

Forestry Building

HENRY E. DOSCH
Director of Exhibits

W. H. WEHRUNG
Superintendent

CLASSIFICATION

Group 112. Appliances and Processes used in forestry.

Group 113. Products of the cultivation of forests and of forest industries.

Group 114. Appliances for gathering wild crops and products obtained.

553. **Oregon State Commission**, Jefferson Myers, President, E. P. Sheldon, Superintendent.

BLOCKS 1, 2, 3, 4, 5, 6 AND 7

1. Forestry Building, itself. Constructed of fir logs, 206 feet long, 102 feet wide, and 72 feet high. In its construction, 2 miles of 5 and 6 feet fir logs, 8 miles poles, 43,000 fir shakes, 30,000 fir bark shingles were used.

2. Sections of fir and spruce.

3. Planks of fir and spruce.

4. Polished woods of the native woods of the State of Oregon.

5. Collection of wild flowers, shrubs and trees, mounted Herbarium specimens.

6. Collection dressed lumber showing commercial woods.

7. Flag pole 220 feet long.

8. The Mazamas. Mountain climbing paraphernalia.

9. Mrs. Albert R. Sweetzer, State University, Eugene, Ore. Water color drawings.

10. Woodard, Clarke & Co., Portland, Ore. Cascara bark, Oregon grape root and fir balsam.

11. Jones Lumber Co., Portland, Ore. Manufacturers of fir, spruce and cedar lumber.

12. Hammond Lumber Co., Portland, Ore. Lumber and manufacturers wood articles.

13. Olsen Lumber & Shingle Co., Portland, Ore. Cedar shingles.

14. W. R. McCord, Portland, Ore. Inlaid articles.

15. Seaside Spruce Lumber Co., Seaside, Ore. Manufactured wood articles.

16. Standard Box Co., Portland, Ore. Curly Fir Boards.

17. Tongue Point Lumber Co., Astoria, Ore. Yellow fir plank.

18. Nicholai Bro's Co., Portland, Ore. Samples of lumber of all kinds grown in Oregon.

19. Portland Mfg. Co., St. Johns, Ore. Veneers, coffee and spice drums, baskets and excelsior.

20. Hygienic Mattress Co., Portland, Ore. Pine Needle, Fibre, fibre pillows, fibre mattresses, pine needle oil, insect powder.

21. Yamhill County. Oak 6 ft. diameter.

22. Pacific Pine Needle Co., Grants Pass, Ore. Fibre mattresses, chest protectors, oil extracts, perfumery-pine needle products.

23. Portland Mill Men's Association, Portland. Mill work and finishing.

24. Star Box Co., Portland, Ore. Box shooks and spruce lumber.

25. Ralph C. Geer, Portland, Ore. Myrtle table.

26. **Grand Ronde Lumber Co.**, Perry, Ore. Eastern Oregon

white pine and larch lumber mouldings, pickets, lath, pine box shooks. Mill work of every description, Mississippi valley grades.

27. "Timberman," Portland, Ore. Pictures.

28. **BRIDAL VEIL LUMBERING CO.**

exhibit two clear larch (noble fir) plank forty inches wide; also interior finish of larch and fir.

30. Model fish Hatchery, showing eggs and young fry of the salmon.

31. Model of the Columbia river with running water, etc.

32. Native fish in glass jars.

33. Taxidermy, game birds and mammals.

34. Various shell fish in formaldehyde.

35. F. J. Breeze, Portland, Ore.

36. Elmore Packing Co., Astoria, Ore. Canned salmon and shad.

37. Union Co-operative Fisherman's packing Co., Astoria, Ore. Canned salmon.

38. Geo. W. Sanborn, Astoria, Ore. Canned salmon and shad.

39. Tallant & Grant, Astoria, Ore. Canned salmon.

40. Columbia River Packer's Association, Astoria, Ore. Canned salmon.

41. Warrenton Clam Co., Warrenton, Ore. Cannery of minced razor clams and razor clam nectar.

42. Henry E. Dosch, Portland, Ore. Chinook salmon, steel head trout, mou tan trout, dolly varden trout, razor clams in jars.

43. John Burroughs Society, Portland, Ore. Bromide Pictures of Oregon birds.

44. The Portland Rose Society, Portland, Ore. Floral exhibits.

45. Concatenated Order of Hoo Hoo.

BLOCK 8

Concessions.

BLOCK 9

Concessions.

BLOCK 10

357. Lidgerwood Manufacturing Co., New York City. Miniature logging outfit.

BLOCK 11

Reception court.

385B. Public telephone.

BLOCK 12

Concessions.

GALLERY—SOUTH END

386. E. S. Curtis, Seattle, Wash. Indian photos.

217. Arizona Board of Trade. Phoenix Collection.

SEE THE EXHIBIT OF
OLD JORDAN
"THAT GOOD WHISKY"
OLD JORDAN DISTILLERY No. 63
HARRODSBURG, KENTUCKY



THE Curtis collection of Indian pictures in the first and second balcony of the Forestry building. The largest exhibition of Indian pictures ever made. Unique, interesting, educational. One of the most valuable exhibits on the ground. *No admission charged*


EDWARD T. MORRIS

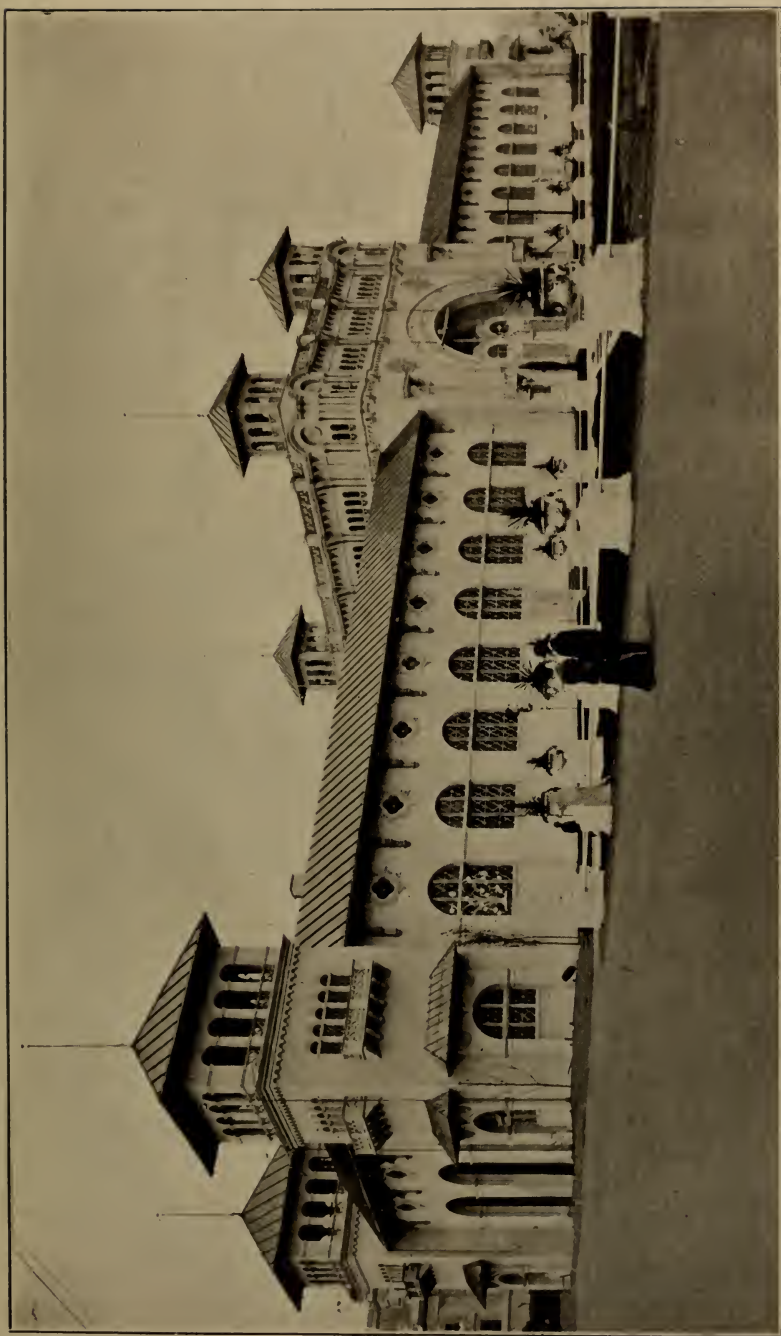
CARL L. SCHALITZ

SCHALITZ & MORRIS

COPPER AND BRASS WORKS

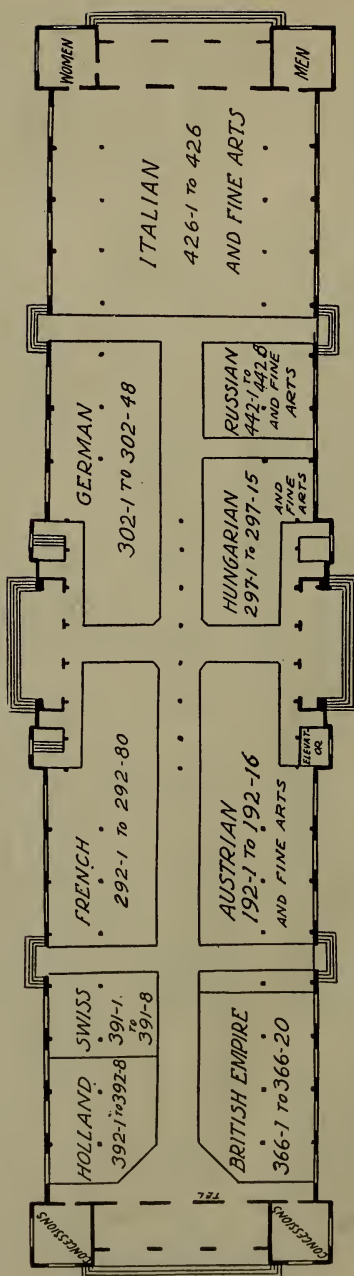
309 AND 311 HOWARD STREET
Between Fremont & Beale **SAN FRANCISCO, CAL.**

 **LARGE STOCK OF SHEET COPPER AND TUBES**
A constantly on hand. Brass and Bronze Castings made
to order. Special attention given to the building and
repairing of all kinds of Copper and Brass Work for
Mills, Mines, Steamships, Breweries, Distilleries, Wineries, Sugar
Houses, Candy and Soda Water Factories, Canneries, Condensed
Milk and Evaporated Cream Plants, Grape and Fruit Syrup
Concentrators, Sterilizers and Distilled Water Plants, Dye
Works, Glue Works, Kitchen Utensils, Etc.



FOREIGN EXHIBITS BUILDING

—Photo by Official Photographic Company



Henry Baltesch
DIRECTOR OF EXHIBITS

W. H. Wood
PRESIDENT

FLOOR PLAN: FOREIGN EXHIBITS BUILDING

Key to Installation: The figures in the floor plan refer to the serial number of each exhibit

Foreign Exhibits Building

H. B. HARDT, Superintendent

426—ITALIAN SECTION

P. Rossi and J. Zeggio
Commissioners

Marble Statuaries and Marble Works.

1. Romanelli Fratelli, Firenze.
2. G. Puggiono & Sponello, Volterra.
3. Pietro Guerri, Firenze.
4. O. Andreoni, Roma.

Artistic Furniture.

5. L. Morandi, Florence.

Terra Cotta Vases and Earth Ware.

6. Manufactura di Signa, Firenze.

Corals, Shell Goods, Leather Purses and Jewelry.

7. De Dilectie & Sarno, Torre Del Grec.
8. Russo Gennaro, Napoli.
9. A. Zaghis, Venezia.
10. V. Jonest, Milano.
11. Chs. Mosso, Venice.
12. G. Saviognoni, Roma.

Laces and Embroidery.

13. Societa Reunite di Merletti Italiani, Milan.

Agricultural Products.

14. Marquis B. Pancheatichi, Firenze.
15. A. Valeani & Fils, Roma.
16. A. Berio & Co., Lucca.
17. J. Rouff, Napoli.
18. F. Vaccari, Livorno.
19. Emilie Gualdi, Voghera.
20. F. Garbini & Fils, Lucca.
21. Fratelli Cora, Torino.
22. Francesco Cenzano, Torino.
23. Michele Talmone, Torino.
24. Callisto Francesconi, olive oil, Lucca.

25. Angelo Cirillo, Italian paste, Torre Annunziata.

Italian Fine Arts.

26. 100 oil paintings of various artists.

Chev. F. Datri, Rome. Collection of oil paintings and water colors.

G. Rossi & Fils, Venice. Collection of oil paintings, marble and terra cotta works of art.

M. Salvini & Co., Florence. Artistic Majolica.

Angelo Valdinozzi, Florence. Wood carved frames and miniatures.

Fornaci Altoviti, Florence. Italian terra cotta works of art.

302—GERMAN SECTION

Under direct supervision of Division of Exhibits

1. Leo Hornstein, Berlin. Glassware.

3. Carl Spindler, artist, St. Leonhardt by Boersch, Germany. Inlaid wood work, natural colors, original designs. Grand prize, Paris, 1900; St. Louis, 1904.

3½. Emil Binder, Bijouterie-fabrik, Pforzheim, Germany. Specialty: Enamel jewelry, souvenirs, silver goods. Prize medal, Chicago. Gold and silver medals, St. Louis, 1904.

4. Carl Litzenberger, Oberstein. Agateware.

6. Anton Lehner, Berlin. Embroidery.

9. Ed Paul, Solingen. Cutlery.

10. Guido Riedel. Chemnitz.

11. A. Bruder, Hamburg. Fancy goods.

12. Libra Automatic Scale Co., Gliesmarode. Weighing machine.

14. Matilda Ripberger, Dresden. Sistine madona done in needlework by Miss. Clara Ripberger. Entirely original in its technique. Received the highest awards Paris, 1900. Gold Medal. St. Louis, 1904, Grand Prize.

15. S. Hirsch, Berlin. Fancy goods.

16. Mrs. Johanna Ehrke, Hamburg. Fancy articles.

ITALIAN SECTION

P. ROSSI AND J. ZEGGIO, ITALIAN COMMISSIONERS

- ROMANELLI BROS.** Florence
Largest Exporter of Carrara Marbles Statuaries
- P. GUERRI** Florence
Sculptor
- SALVINI & CO.** Florence
Italian Majolica
- MANIFATTURA DI SIGNA** Florence
Reproduction by hands in terra cotta of the finest works of art
of Italy, suitable for garden
Fine collections of Oil Paintings and Water Colors of the most
renowned artists of Italy
- MORANDI BROS.** Florence
Artistic Hand-carved and Ivory-inlaid Furniture
Marble and Terra Cotta Art Garden Furniture from the
Fano's School of Art
- M. DE DILECTIS & CO.** Torre Del Greco, Napoli
Largest establishment of Corals Jewelry, wholesale and retail
- Chev. FRANCESCO D'ATRI** Rome
Collection of Oil Paintings
- O. ANDREONI** Rome
Sculptor
- A. VALDINOCI** Florence
Florentine Frames and Miniatures
- VENETIAN LACES CO.** Venice
Hand-made Laces
- O. GRAZIOSI & SON** Florence
Florentine Mosaics and Jewelry
- FRANCESCO CINZANO & CO.** Turin
Exporter of Italian Vermouth
- EMILIO M. GUALDI** Voghera
Exporter of Italian Sausage
- F. GARBINI & SON** Lucca
Exporters of Olive Oil and Chianti Wine
- Chev. ARTURO VACCARI** Livorno
Exporter of Cordials and Liquors
- Marquis B. PANCIATICHI** Florence
Chianti's Wine and Olive Oil
- A. BERIO & CO.** Lucca
Olive Oil
- J. ROUFF** Napoli
Italian Wine de luxe
- A. VALIANI & SON** Rome
Preserved Small Artichocs
- G. RUSSO** Naples
Corals

17. Jos. Kuner Nachfolger, Triberg. Cookoo clocks.

18. The Knoll Co., Freiberg. Wood carving.

19. Dümmler & Breiden, Hohn. Ceramics.

20. Sonnenberg Spielwaaren Gesellschaft, Nürnberg. Toys.

21. Adolph Hatry, Frankfurt. Leather goods.

22. Guttman-Schiffrei, Pfortzheim. Enameled jewelry.

27. Albert Meyer, Breslau. Sharpening instruments.

28. Ludwig Kohler, Gerach. Agate goods.

30. Pape Cutlery Co., Solingen.

31. Diamant Steel Mfg. Co., Elberfeld.

32. C. Friede Ern, Solingen.

33. Neptun Cutlery Co., Solingen.

34. Rau, Ed. Munich. Glassware.

35. Arndt & Marcus, Berlin. Artistic bronzes.

36. Emil Rauschenberger, Berlin. Bronzes.

37. Julius Lennhoff, Berlin. Bronzes.

38. Gebrüder, A. G. Heubach, & S. M. Lichte. China paintings.

39. Heufel & Co., Dresden. Porcelains.

40. F. Van Houten & Son, Bonna. Metal ware, glassware.

41. Bauernfreund, München. Metal goods.

42. A. Müller, Schwabach. Porcelains.

43. Reinhold Hanke, Hohn, (near Coblenz.) Earthenware.

44. Leopold Kramer, Berlin. Leather goods.

45. Steigerwald Glasfabrik, Regenhütte. Glass.

302-46. H. Rausche. Inlaid picture.

302-26. Villroy & Boch, Mettlach. Ceramic ware.

292—FRENCH SECTION

Victor Laruelle, Commissioner

1. Champeau et Silvin, Paris. Artistic bronzes.

2. Jourdan, A., Paris. Artistic bronzes.

3. Narey, B., Paris. Artistic bronzes.

4. Cresallet, Jh. & Carroz, Paris. Artistic bronzes.

5. Villiford et Maurice, Paris. Artistic bronzes.

6. Leabbe', C., Paris. Fancy bronzes.

7. Cattin, L., Paris. Artistic bronzes.

8. Baulant, G., Paris. Toys.

9. Bourgeois ame', Paris. Artists requisite.

10. Bontems, Ch., Paris. Singing birds.

11. Dandrieux, Emile, Paris. Toys.

12. Delenil, Severin, Paris. Mechanical toys.

13. Etablissements Kratz Bous-sac, Paris. Inventions.

14. Lachambre, Vae H., Paris. Balloons.

15. Lambert, Leopold, Paris. Musical toys.

16. Lenoble, Georges, Paris. Toys.

17. Marcat, Voe, Paris. Rubber toys.

18. Martin, Fernand, Paris. Mechanical toys.

19. Maugin, Louis, Paris. Toys.

20. Pierrugues, Voe A., Paris. Printing press, book binding, boxes.

21. Romain Fils, Paris. Variety of toys.

22. Serre, J. du, Paris. Dolls.

23. Cop, Louis, Paris. Mechanical toys.

24. Delenil, Severin, Paris. Emailloid.

25. Detre, Leon, Reims, Marne. Woolen threads.

26. Cornelly et Fils, Paris. Embroidery machines, regalia and society goods.

27. Laruelle, Mme. V., Paris. Embroideries.

28. Thiollier, Jean, Paris. Patent railway material.

29. Sauvinet, Henry, Malakoff, Seine. Elementary specialties.

31. Samuel, L., Boulogne. Shells.

32. Gradwohl, A., Paris. Sponges.

33. Carue, P. G., Paris. Gymnastic apparatus.

34. Vuitton, Louis, Paris. Trunks.

35. Braunstein & Co., Paris. Ladies dresses.

36. S. Weill & Frere, Paris. Shirtwaists, petticoats, teagowns, ladies suits.

37. Rene Troispoux, Paris. Opera glasses "Trianon."

38. Marcel Heymann, Paris. Laces and embroideries.

39. Maurice Ullmann, Paris. Lace fans.

40. Aug. Dussert, Cours, Rhone. Blankets and carpets.

41. Faïencerie de Longchamp, Paris. French chinaware, pottery.

42. Robert Charbonnier, Paris. French chinaware, pottery.

43. Roland Labraïne, Paris. Leather goods.

44. J. Duverroy & Co., Paris. Lamp shades.

45. P. Malambie, Paris. Electric lamps.

46. G. Sauer, Paris. Knife cleaner.

47. A. Hugentobler, Paris. Embroidery.

48. E. Conturier, Paris. Guns.

49. L. Laffitte, Paris. Perfumery and wigs.

50. Conturier Bros., Loire. Fancy goods.

51. L. Gavary, Paris. Games.

52. F. Conor, Paris. Fancy goods.

53. F. Gazet, Paris. Games.

54. S. Hervet, Lyons. Silk.

55. C. Chaumet, Paris. Leather.

56. E. Aleaz, Paris. Electric lamps.

57. L. M. Chaumet, Paris. Novelties.

58. J. Lathond, Paris. Engraving.

59. R. Lathond, Paris. Novelties.

60. C. Lathond, Loire. Woodenware.

61. V. Demari, Paris. Jewelry.

62. M. Bunon, Paris. Small bronzes.

63. Junkerman Co., Paris. Jewelry.

64. Societe Manufacturier, Paris. Lighting articles.

65. E. Mangot, Paris. Novelties.

66. D. Vallauris, Droine, Pottery.

67. Societe des Armes Nouvelles, Paris. Air guns.

68. H. Deketelaire, Paris. Leather.

69. Viticultural Unions, Paris. Wines.

70 to 80. Union of small Parisian industries, Paris; 10 collective exhibits.

391—SWISS SECTION

Wilhelm Groth, Commissioner

1. Carl Kocher, Vievey. Jewelry.

2. Ernest De Blanche, Lousanne.

3. Griester Freres, Zurich. Silks.

4. Reichenbach and St. Gall. Embroideries.

5. J. Rutishauer, Geneva. Jewelry.

6. Swiss Novelty Co., Bern.

7. Theodore Springer & Co., Interackten. Wood carvings.

8. Industrie Sculpture, Bois & Briez. Sculpture.

392—HOLLAND SECTION

M. Y. Perk, Commissioner

1. Dutch—Delf porcelain tiles.

2. Dutch—Hand carved wood-
enware.

3. Dutch—Skates.

4. Dutch—Brasswork.

5. Dutch—Furniture.

6. Dutch—Cocoa and choco-
late.

7. Holland gin, etc.

Concession

386C. Public telephone.

Concession.

366—BRITISH EMPIRE

Under direct supervision of Di-
vision of Exhibits

6. Queensland Govt. Dept. of
agriculture and stock, Brisbane,
Australia. Timbers.

8. New Zealand Govt's. Tourist
and Health Resort Offices. Well-
ington, Australasia. Panorama of
N. Z. views.

9. Canadian Pacific R. R. Co.,
Calgary, Alberta. Grain and
maps.

12. Canadian Pacific R. R. Co.,
Calgary, Alberta. Model S. S.
Princess Victoria.

14. Victoria Tourist Associa-
tion, Victoria, B. C. Literature.

15. Vancouver Tourist Associa-
tion, Vancouver, B. C. Litera-
ture.

1. John McLeod, Vancouver, B.
C. Caribou.

2. Berry Bros., Walkersville,
Canada. Varnish and shellac.

3. Canadian Exhibit Associa-
tion, per S. Moore, Victoria, B. C.
Drawings.

4. Jos. Tetley, London, Eng-
land. Teas.

5. Johnson Bros., Ltd., Hanley,
England, pottery.

7. The Sir Thomas Lipton Co.,
London, England. Teas and cof-
fee.

10. Mrs. E. S. Frame, London,
England. 11th and 14th century
English relics.

HOLLAND SECTION

COMMERCIAL COMMISSIONER, M. J. PERK

Retired Captain of the Royal Dutch Army

A. VAN HOBOKEN & CO. Rotterdam
Manufacturers of the Genuine AH Gin

ABRAHAMSON & VAN STRAATEN Amsterdam
Booksellers and Publishers

A. ARENS Amsterdam-Antwerp
Manufacturer of Hammered Brass and Pewter Ware

ARNOLD M. A. HEYSTEE Amsterdam
Blue Delft Ware Pottery Tiles

THE AMSTERDAM GEM CUTTING CO. . . . Amsterdam
Gems from all parts of the World: In the rough, cut and polished
A. Schorr, Representative, 353 Fifth Avenue, New York

J. DE JONGH & CO. Rotterdam
Embroideries Lace

MRS. M. J. PERK Amsterdam
Antique Dutch Furniture Coins Bric-a-Brac Curios
Crockery Chinaware Earthenware Oil Paintings
Water Colors Fine Art

EDUARD GOUDSMIT Rotterdam
Dutch Silverware

H. RAVESTEYN The Hague
Leather Goods

11. Geo. Jeffrey, London, England. Hand painted English china.

17. Department, Portland, Cage, containing Australian birds.

18. H. B. Hardt, Portland. Design of court.

19. The Crows Nest Pass Coal Co., Fernie, B. C. Coal.

20. Robert Nicholai, Birmingham, England. English novelties.

21. Victoria Fruitgrowers Central Association, Burwood, Victoria, Australia.

22. F. R. Blockberger, Portland. Collection of West Kootenay and other British Columbia mines ores.

23. Martel's Weekly, Winnipeg, Manitoba. Publications.

24 to 30. F. P. Bhungara & Co., Bombay and Madras. Artistic assortment of British Indian goods.

Official Concession Section.

192—AUSTRIAN SECTION

S. Herlinger and O. Moser
Commissioners

1. Louis Herdlicka, Vienna. Portraits.

2. Rupert Greisinger, Vienna. Leather goods.

3. John Perstinger, Vienna. Smoking and writing articles.

4. Ludwig Moser & Sons, Karlsbad. Bohemian rock crystal.

5. M. Krauss, Gablouz. Jewelry.

6. I. Dannou, Sarajevo. Fancy goods.

7. Paul J. Riviere, Vienna. Art metal.

8. M. & L. Patzovsky. Feather fans.

9. Karlsbader Porzellan Decorations Austalt, Karlsbad. China.

10. Leopold Wurzel, Vienna. Leather goods.

11. Chas. Kohn, Vienna. Jewelry.

12. The summer resort of Austria. Collective exhibit.

13. Same.

14. Same.

15. Rachman Bros. Haida Bohemian glass.

16. Philip Veit & Co., Vienna. Gold and silversmiths.

Fine arts.

650. Otis Elevator Co., Portland. Elevator.

297--HUNGARIAN SECTION

M. E. Fischer, Commissioner

1. J. Kottanyi, Szeged. Red pepper.

2. Andreas Saxlehner, Budapest. Hunyadi J. bitter water.

3. J. Blum, Verbo. Embroideries.

4. Hungarische Handels Actien Gesellschaft, Budapest. Pottery.

5. J. Mohr, Verbo. Pottery.

6. J. Marcoux, Poszony. Leather goods.

7. Rudolf Feher, Budapest. Wax Fruit Soap.

8. Sandor Neuman, Agram. Pottery.

9. J. Fleischman, Tokay. Wines.

10. D. Drachtenberg, Brasso. Fancy goods.

11. Wm. Zsolnay, Pecs. Porcelain, pottery.

12 to 15. Collective exhibits.

Fine Arts.

440—RUSSIAN SECTION

M. Berkowitz, Commissioner.

1. A. & J. Batascheff Freres, Tulla. Russian samawars.

2. Pashali G. Georgiadi, Odessa. Oriental sweets.

3. South Russian Cement Factory, Odessa. Cement.

4. Societe F. & W. Schukoff, St. Petersburg. Preserved meats.

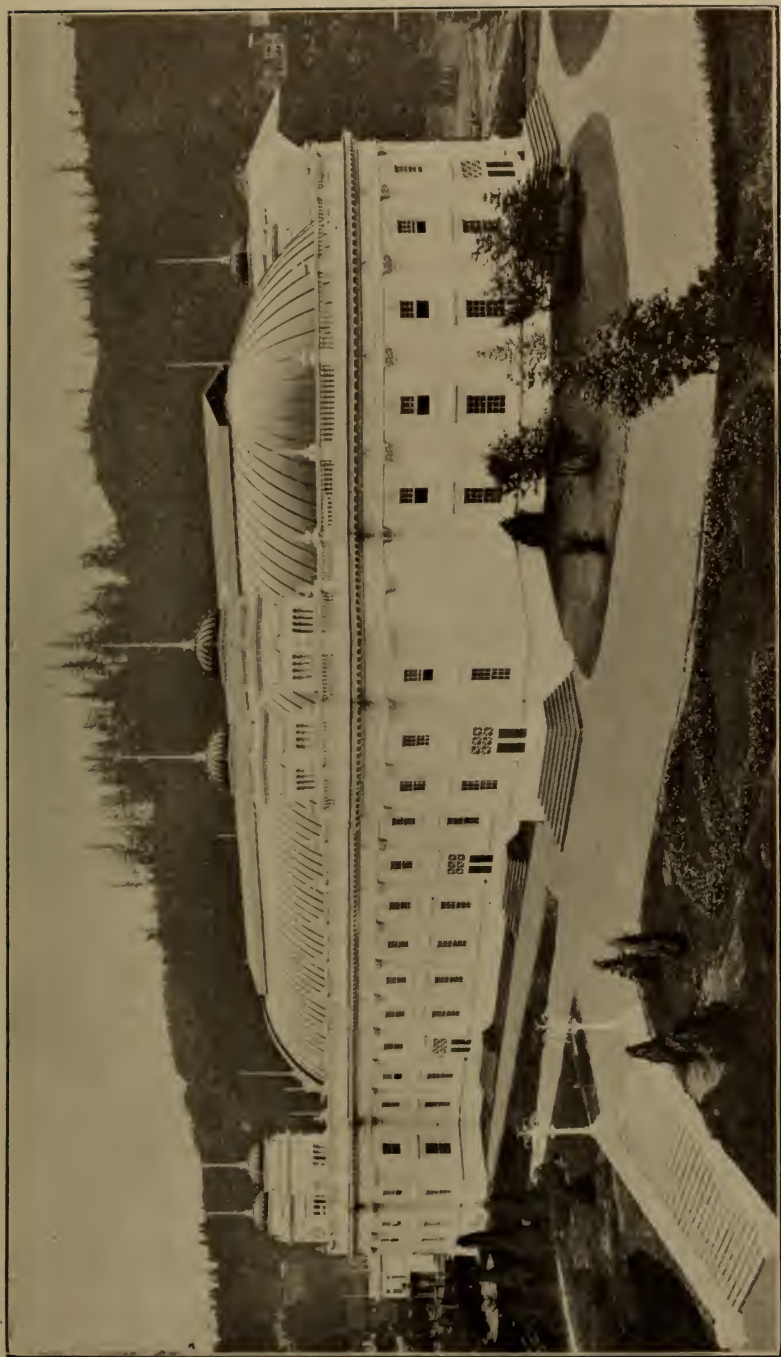
5. S. N. Saakoff, Rostoff-am-Don. Wines.

6. Arthur Dietz, St. Petersburg. Chemicals.

7. A. E. Wienecke, St. Petersburg. Graphic arts and books.

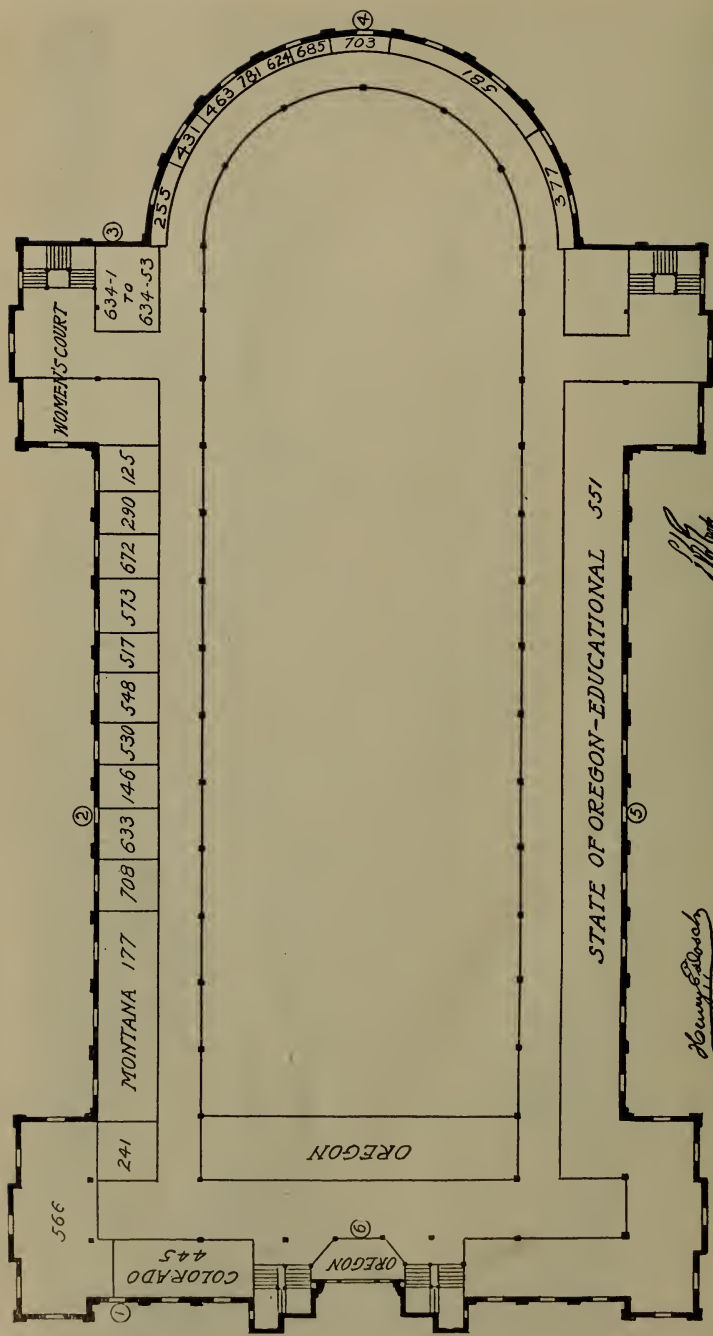
8. W. Clebnikoff, St. Petersburg. Graphic arts and books.

9. Michel Scheludkoff, Felez. Smoked sausages.



—Photo by Official Photographic Company

ORIENTAL EXHIBIT PALACE



Henry Edwards
 DIRECTOR OF EXHIBITS

W. H. Hark
 PRESIDENT

GALLERY PLAN: ORIENTAL BUILDING

Key to Installation: The figures in the floor plan refer to the serial number of each exhibit

Oriental Building

H. B. HARDT
Superintendent

182—CAUCASIAN SECTION

Prince Micheolovich Barsimoff
Commissioner

182. Caucasian Diamond Co.,
Battum Caucasia, Asia. Precious
stones cut and uncut from the
Ural mines and Andreanopol Val-
ley of Siberia.

Concessions

429—JAPANESE SECTION

Y. Kushibiki, General Commis-
sioner; Yushitsugu Hashimoto,
Commercial Commissioner; Ich-
ihei Itow, Commissioner, and
Jiro Harada, Secretary Japan
Exhibit Commission.

1. Fujiwara, Ichimatsu, Osaka,
Japan. Silk and woolen carpets,
bronze "toro," wood cabinets.

2. Fukuda & Bros., Osaka.
Bronze lanterns, bronze orna-
ments.

3. Fukuoka, Kenjiro, Kobe.
Porcelain.

4. Hashimoto, Yoshitsugu, Yo-
kchama. Silk embroidery, table
covers, pillow covers, wall hang-
ings, etc.

5. Hattori, M. Dolls and toys.

6. Higuchi, H., Osaka. Silk
screens, silk embroidery.

7. Hiogoken Seishi Shuppin
Kumiai, Hiogoken. Table cloth,
cabinet stand, curtains, flags,
hairpins.

8. Hotoda, Takichi, Yokohama,
Porcelain.

9. Imura, Hikojiro, Yokohama,
Porcelain.

10. Inaba, Nanaho, Kioto. Clois-
onne vases, cloisonne cigarette
cases, etc.

11. Inouye, Jihei, Tokyo. Por-
celain.

12. Inuzuka, Heiji, Kobe. Por-
celain.

13. Kaneda, Kinjiro, Tokyo.
Ivory carvings.

14. Kawaai, Yoshijiro, Yokoha-
ma. Porcelain.

15. Kawaguchi, Bunzayemon,
Nagoya. Cloisonne vases, clois-
onne boxes, etc.

16. Kawaguchi, G., Osaka.
Coral works, neck laces, brace-
lets, scarfpins, charms.

17. Kawashima, Jinbei, Kiota.
Wall hangings, table covers.

18. Kobayashi, Denbei, Tokio.
Gold and silver works, antimony
wares.

19. Kobayashi, Shinzaburo,
Yamanashiken. White "habu-
tai," raw silk.

20. Kumeno, Teitaro, Nagoya.
Cloisonne vases, cloisonne cases
and boxes.

21. Kato, Tomotaro, Tokyo.
Porcelain.

22. Kawano, Yoshitaro, Yoka-
hama. Porcelains.

23. Konoike, Yokichi, Yokoha-
ma. Gold and silver works, anti-
mony wares.

24. Koransha, Sagaken. Porce-
lains.

25. Kutani Kumiai, Ishikawak-
en. Porcelains.

26. Katsumoto, A., Osaka. Uni-
form, sword, chapeau.

27. Miyabayashi, S., Osaka.
Nickel-gilted articles.

28. Kiyakawa, Shudan, Yoko-
hama. Porcelains.

29. Miyecken Shoyu Brewers'
Association, Miyecken. Shoyu.

30. Misaki, Seiji, Kioto.
Dolls and toys.

31. Muramatsu, Manzaburo,
Tokyo. Gold and silver works,
antimony wares.

32. Muratani, Tohichi, Kobe. Earthenwares.

33. Mizuto, Yutaro, Ishikawaken. White "habutai," raw silk.

34. Nagata, Daisuke, Kobe. Bamboo works.

35. Namikawa, Sosuke, Tokyo. Cloisonne vases, cloisonne cases.

36. Ota, Gensaburo, Shizuoka. Papers.

37. Ota, Risaburo, Shizuoka. Ginger and snake gourd.

38. Ozawa, S., Osaka. Brass hanging lanterns, bronze mask, bronze vases, bronze ornaments, umbrella stand.

39. Ozawa, Yoshitaro, Kyoto. Wall hangings, table covers, etc.

40. Sata, Saijiro, Nagoya. Silk goods.

41. Shibata, Matakichi, Yokohama. Curio.

42. Shima, Sahei, Osaka. Bronze water basin, pots, vases, lanterns, lamp stands, bronze ornaments.

43. Shizuoka Shikki Kumiai, Shizuoka. Lacquer works, boxes, trays, stands, cabinets, folding screens, frames, mantel ornaments.

44. Shizuoka Shoyu Brewers' Association, Shizuoka. Shoyu.

45. Sunamoto, F. Ivory canes, ivory umbrella handles.

46. Suzuki, Kieigoro, Tokyo. Antimony wares, gold and silver works.

47. Suzuki Toramatsu, Nagoya. Lanterns.

48. Takata, Tomijiro, Tokyo. Gold and silver works, antimony wares.

49. Takemura, Ito, Yokohama. Silk embroidery.

50. Tanaka, R., Kyoto. Embroidered screen, kimono, bed covers, cut velvet wall hangings, cloisonne vases, bronze ornaments, lanterns, ceneers.

51. Tashiro, Ichiroji, Yokohama. Porcelain.

52. Toyama, Chozo, Yokohama. Ivory works.

53. Yokoyama, S. Bead curtains, silk bags, etc.

54. Yamazaki, S., Tokyo. Full uniforms.

427-EAST INDIAN SECTION

G. A. Hamilton, Commissioner
1. Jan Muhamad & Fazel Karim, Sialkat, East India.

2. Maula Bux and Inayat Ullah, Nagina, East India.

3. Abdul Sammut & Co., Shrinagar, Cashmere, East India.

4. Murad Bux & Khoda Bux, Nagina, East India.

5. Fakir Muhamad, Sialkot, East India.

6. Chiranji Lab Khannah & Scns. Muradabad U. P., East India.

7. Ahmadji Ghulam Rasool & Son, Ludiana, East India.

8. Safdar Husain, Ludiana, East India.

9. Noor Bakhsh & Khuda Bakhah, Jeypore, East India.

10. Baha-Ud-Din, Meerut, East India.

11. Framjee Muncherjee, Bombay, East India.

12. Lachman Dass Bharany, Amritsar, East India.

13. Imam-Ud-Din, Jalander, East India.

14. Umed Singh & Pyari Loll, Delhi, East India.

15. Nizam-Ud-Din, Mussoorie, East India.

424—CHINESE SECTION

Under direct supervision of Division of Exhibits

1. Wong Suey & Co., China.

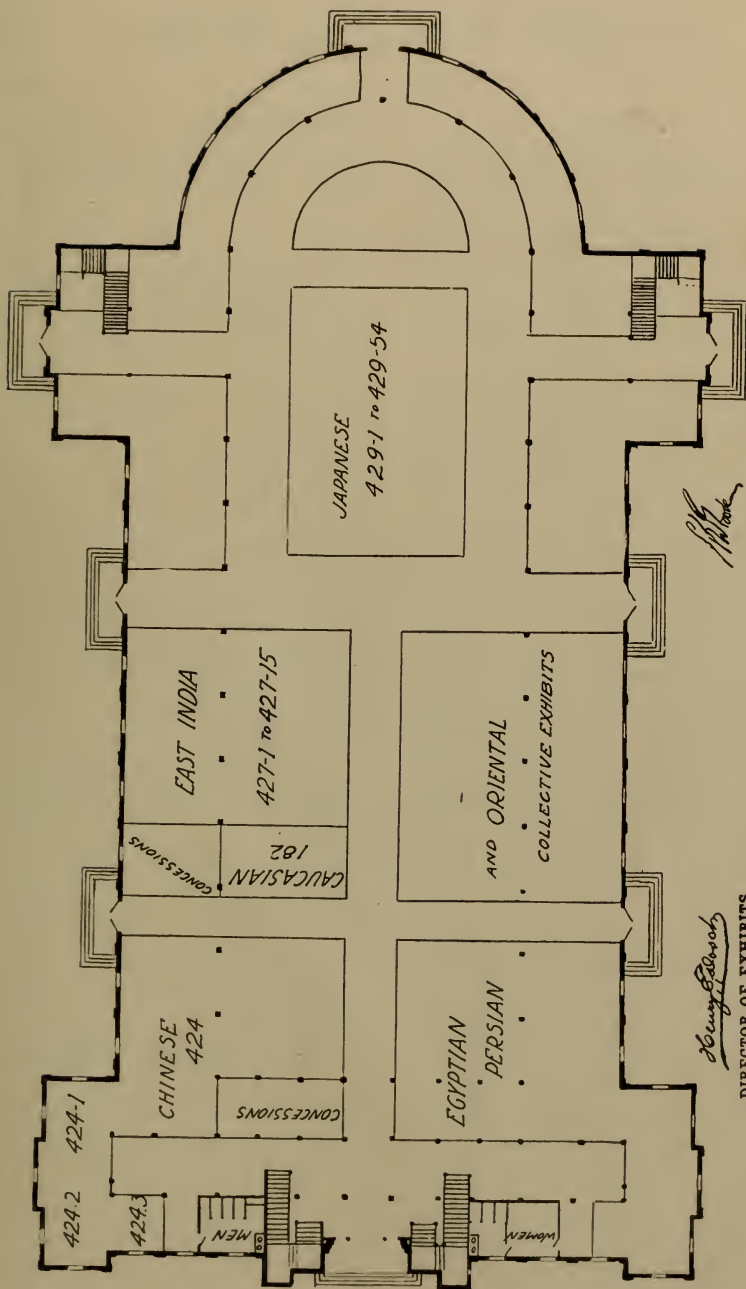
2. American Born Chinese Association.

3. Province of Shantung, China. Hsia Ting Hsing, Commissioner. Collective Chinese products.

Concessions

269 — EGYPTIAN, PERSIAN AND ORIENTAL SECTION

Gaston Akoun, Commissioner
Collective oriental exhibit.



W. B. Wood
PRESIDENT

Henry Barclay Swarth
DIRECTOR OF EXHIBITS

MAIN FLOOR PLAN: ORIENTAL BUILDING

Key to Installation: The figures in the floor plan refer to the serial number of each exhibit

Oriental Building Gallery

Block 1

556. **International School of Correspondence**, Scranton, Pa. Demonstrating system of instruction and exhibiting work of students from all parts of the world.

241. **Fisk Teachers Agency**, Boston, Mass. Maps, etc.

445. **H. J. Heinz Co.**, Pittsburg, Pa., U. S. A. Exhibit of educational and welfare work.

676. **Mrs. H. W. Foster**, Portland. Home kindergarten school.

495. **Whitman College**, Walla Walla, Wash. Educational exhibit.

Block 2

177. **Montana State Commission**. Collective exhibit.

708. **Theosophical Society**, Seattle, Wash. Books.

633. **Portland Woman's Union**. Society literature.

146. **Christian Science Publishing Society**, Boston. Literature.

530. **Ladies of Macabees**, Portland. Society literature.

548. **National Cash Register Company**, Dayton, Ohio. Exhibit of educational and social economy features. Educational department. Balcony of Oriental Building.

517. **Woman's College of Baltimore**. Educational literature.

573. **National W. C. T. U.** Evanston, Ill. Society literature.

672. **Scientific American**, San Francisco. Publications.

290. **American Humane Society**, Wyncote, Pa. Pamphlets.

125. **Northwest School Furniture Co.**, Portland. School furniture.

633. **Portland Woman's Union**, 510 Flanders St. A non-sectarian society for the benefit of self-supporting women.

634—WOMAN'S COURT

Mrs. W. S. Ott, Superintendent
1. **M. Howard**, Harrisburg. Quilts.

2. **L. O. King**, Kingston. Quilts.

3. **C. Croshaw**, Portland, Quilts.

4. **L. S. Wensole**, LaCrosse. Embroideries.

5. **B. Lilly**, La Grande. Crochet work.

6. **J. Wallace**, Butteville. Pillow covers.

7. **W. Mellien**, Portland. Ancient specimens.

8. **A. Reich**, Peninsular. Table covers.

9. **M. E. Peach**. Fine needlework.

10. **M. M. Delano**, Chicago. Table cover.

11. **M. E. Houtz**, Kalama. Bedspread.

12. **L. Horn**, Oregon City. Fine needle work.

13. **P. F. Jones**, Portland.

14. **I. Hill**, Portland. Portiers.

15. **M. Beumer**, Portland. Bedspread.

16. **A. C. Xavier**, Portland. Sundries.

17. **T. T. Strain**, Portland. Mat.

18. **W. H. Fear**, Portland. Curtain.

19. **M. P. Sears**, Hood River. Handkerchief.

20. **H. S. Freeman**, Sundries.

21. **E. G. Fanning**, Portland. Fine needle work.

22. **J. Y. Aitcheson**, Portland. 1st pieces needlework.

24. **M. Williamson**, Berkley. Fine needlework.

25. **G. F. Feed**, Portland. Sundries needlework.

26. **S. E. Miller**, Portland. Picture.

27. C. P. Rader, Portland. Bedspread.

28. S. E. Prosser, Oswego. Pillows.

29. A. H. Willett, Portland. Pictures.

30. E. Arrigoni, Portland. Quilt.

31. H. S. Godshall, Portland. Bedspreads.

32. N. Le. Lewes, Portland. Sundries.

33. A. E. Jurbachan. Quilt.

34. A. H. Averill. Picture.

35. R. R. Dingle. Sundries.

36. M. Parker, Portland. Sundries.

37. L. Tarpley Portland. Baskets.

38. C. J. Reed, Portland. Baskets.

39. B. A. Kelly, Seattle. Sundries.

40. N. C. Poppleton, Portland. Mats.

41. F. Zuebuchen, Portland. Bedspread.

42. A. E. Hosmer, Portland.

43. F. W. Bosworth. Sundries.

44. A. Nelson, Athena. Lace dress worth \$2500.

45. A. Webber, Seattle. Sundries.

46. C. L. Kellogg, Sundries.

47. I. Whitby, Corvallis. Lace.

48. R. Mohr. Picture.

49. W. C. Dietz. Bedspread.

50. E. C. Robertson, Portland. Bedspread.

51. K. Oberg, Portland. Center piece worth \$1000, etc.

52. A. Parrish, Portland. Paintings.

53. Mrs. G. W. Northnagle. One picture.

54. Mrs. E. J. Brubaner, Portland.

55. Mrs. M. Rapp, Portland. Two pictures.

56. Miss Gertrude Palmer, Portland. One picture.

57. Mrs. W. O. McIndoo. One pillow cover, one point lace handkerchief.

58. Mrs. A. A. Fries, Portland. Filipino embroideries.

59. Mrs. T. M. Minard, Portland. One picture, one lace centerpiece.

60. Mrs. Martha Robinson, Portland. One pillow.

61. Mrs. W. O. Saunders, Portland. One quilt 127 years old, used by George Washington.

62. Mrs. A. K. Graves, Portland. One lace collar.

63. Mrs. R. M. Swinton, Portland. One crochet pillow sham and bedspread.

64. Mrs. Elizabeth Aplanalp, Portland. Four hand-spun linen pillow cases; two hand-spun feather bed cases; one embroidered pillow.

65. Mrs. John Yensma, Portland. One hand-spun Holland linen sheet; one lace apron; one pair knitted mittens; one lace handkerchief.

66. Miss Marie Scherneckar, Astoria, Ore. Two embroidered pillow shams.

67. Mrs. F. A. Routledge, Portland. Three pieces hand-painted china.

68. Mrs. A. L. Reed, Portland. Seven pieces of hand-painted china.

Block 4

255. Denny, E. I., Seattle, Wash. Oil paintings, Fort Decatur, Jan 26, 1856; Twilight on Puget Sound; A Woodland Coronation.

431. H. C. Myers, Boise, Ida. Landscape photographs.

781. Griffith, H. T., Portland. Religious maps.

463. Castelli, Rev. Alexander, Portland. Ancient books.

624. Webber, Mrs. Rachel B., Dayton. Oregon historical map.

685. Houghton, Geo. L., Woodstock, Minn. Globes.

703. Aune, Photographer, Portland. Photographs.

581. Oregon Camera Club, Portland. Photos.

377. **The Perry Pictures Company**, Malden, Mass. The Perry Pictures, reproductions of the world's great paintings. One cent each for 25 or more. Gold medal, Paris Exposition; gold medal, St. Louis Exposition.

Blocks 5 and 6

551. **Oregon State Commission.** Jefferson Myers, Commissioner, Educational exhibit, R. F. Robinson, superintendent.

1. Pacific University, Forest Grove.

2. Eugene Divinity School.

3. Philomath College.

4. Office of superintendent.

5. Oregon Public Schools —

State Educational Department: Baker County and Baker City, Wasco County and The Dalles, Marion County and Salem, Portland Linn County, Clatsop County, Multnomah County, Outside Portland, Morrow County, Yamhill County, McMinnville and Newburg, Polk County, Grant County, Coos County, Umatilla County and Pendleton, Gilliam County, Sherman County, Washington County, Lake and Lincoln Counties, Clackamas County,

Lane County and Eugene, Douglas County, Crook County, Benton County, Tillamook County, Columbia County, Wallowa County. Malheur County, Harney County, Union County.

6. Rest room.

7. Central Oregon State Normal.

8. Southern Oregon State Normal.

9. Eastern Oregon State Normal.

10. Oregon State Normal, Monmouth.

11. Oregon School for the Deaf.

12. Oregon School for the Blind.

13. State Agricultural College.

14. University of Oregon.

15. North Pacific Dental College.

16. St. Helens' Hall.

17. Portland Y. M. C. A. Night School.

18. Pacific College, Newburg.

19. Albany College.

20. Catholic Educational exhibits—Franciscan Sisters, Sisters of Mercy, Columbia University, Blanchet Institute, Sisters of the Precious Blood, Sisters of the Immaculate Heart, Dominican Sisters, Mt. Angel College, Sisters of the Holy Name, Benedictine Sisters.

Exhibits on the Grounds

317. U. S. Government, Peninsula.

421. **California State Commission.** Own Building. J. A. Fileher, San Francisco, Frank Wiggins, Los Angeles. Executive Commissioners.

The California building is built in the form of a Greek cross each wing of which is an exact copy of one of the old missions, founded and erected by the Franciscan monks, who first carried civilization to the western American continent. The missions represented are San Antonio du Padua, San Luis Rey, Dolores and El Carmel. This building constitutes a striking and interesting exhibit of itself. It is the largest state building on the grounds, containing on the two floors about 23,000 square feet of floor space. In this are housed all the California exhibits excepting the few which are found in the northern part of the Agricultural Building. In variety of products and in the artistic manner of installation it is admitted that the display made by California is equal to the best ever gotten together by that state, and considering the reputation of the Golden State for handsome exhibits this is saying a great deal for its efforts at Portland.

The Commission consists of Governor George C. Pardee, with those veteran exposition men, Frank Wiggins and J. A. Fileher, as deputies, ably assisted and reinforced by G. A. Dennison, as secretary, and Chas. L. Wilson, as general superintendent. Under their direction the building was constructed, the exhibit collected and installed. Mrs. Pardee, Mrs. Wiggins and Mrs. Fileher consti-

tute the hostesses of the building.

With its splendid building, unequalled exhibit and a strong corps of veteran exposition people, California is the best equipped of any state represented at this exposition, and its prestige for leading all states in exposition work is fully maintained.

1. Los Angeles County Committee, Los Angeles. County products.

2. Anti Oak Leather Co., Los Angeles. Leather.

3. J. Bond Francis Co., Los Angeles. Paintings.

4. F. DuVall, Los Angeles. Paintings.

5. H. Cohn, Los Angeles. Paintings.

6. Los Angeles Pressed Brick & Terra Cotta Co., Los Angeles. Pressed brick, etc.

7. Southern California Fruit Exchange, Los Angeles. Fruit.

8. **James Hill & Sons Company**, Los Angeles, California. Hill's Pure California Olive Oil and Hill's Ripe California Olives are exhibited by James Hill & Sons Company, Los Angeles, Calif.

9. F. W. Braun & Co., Los Angeles. Olive oil.

10. Ackerman & Taffley, San Diego. Olive products.

11. **C. M. Gifford**, San Diego, Cal. Gifford's best California ripe olives and olive oil, manufactured and packed by C. M. Gifford, San Diego, California.

12. Citrus Products Co., National City. Citrus products.

13. F. W. Braun & Co., Los Angeles. Assayers' supplies.

14. Pioneer Green Chile Pepper Co., Los Angeles. Peppers.

15. T. Vache, Los Angeles. Wines.

16. Southern California Wines, Los Angeles. Wines.
17. Edward Germani Wine Co., Los Angeles. Wines.
18. Sierra Madre Vintage Co., Lamanda. Wines and brandy.
19. Cawston Ostrich Farm, S. Pasadena. Feathers.
20. H. P. D. Kingsbury, Redlands. Marmalade.
21. American Olive Co., Los Angeles. Olive products.
22. Los Angeles, Olive Growers Association, Los Angeles. Olive products.
23. Bishop & Company, Los Angeles. Preserved fruits, etc.
24. Jno Braun & Co., Los Angeles. Soap.
25. Niles Pease Furniture Co., Los Angeles. Furniture.
26. **Louis Cary Smith**, Pomona, California. El Verde grape juice, unfermented. Two brands, red, "Zinfandel"; white, "Muscatel." Absolutely pure.
27. California Fish Co., Los Angeles. Canned Fish.
28. Los Angeles Brewing Co., Los Angeles. Beer.
29. Los Angeles Soap Co., Los Angeles. Soaps.
30. A. W. McNaughton, Pasadena. Leaves.
31. Geo. Williams Co., Los Angeles. Sauce.
32. H. Jeone, Los Angeles. Wines and olive oil.
33. A. Scharff, S. Pasadena. Palms.
34. R. M. Teague, San Dimas. Orange and lemon trees.
35. S. California Walnut Groves Association, Rivera. Walnuts.
36. Corsaca Citron Co., Los Angeles. Citrons.
37. Dolge-Posey Co., Los Angeles. Sounding boards.
38. **Alfred Dolge Mfg. Co.**, Dolgeville, Los Angeles, Calif. Fine felts for all purposes, piano hammers, felt shoes and slippers.
39. Yucca Mfg. Co., Los Angeles. Splints.
40. Ontario Packers' Equipment Co., Ontario. Grader.
41. California Iron Works, Riverside. Brusher.
42. Western Sugar Refining Co., San Francisco. Sugars.
43. Alameda Sugar Co., San Francisco. Sugar.
44. Carlson-Currier Silk Co., San Francisco. Silk.
45. Amalgamated Salt Co., San Francisco. Salt.
46. The Pacific Coast Syrup Co., San Francisco. Jellies.
47. San Pedro Abalone Packing Co., San Francisco. Clams.
48. Cayucas Abalone Packing Co., San Francisco. Shells.
49. Code Portewood Co., San Francisco. Preserves.
50. The Condensed Milk Co., San Francisco. Cream.
51. The Union Fish Co., San Francisco. Oil.
52. F. E. Booth, San Francisco. Mackerel.
54. Walter Bullard, Chico. Hay.
55. Scott & Magner, San Francisco. Hay.
56. S. H. Frank & Co., San Francisco. Leather.
57. The Cal. Fruit Cannery Association, San Francisco. Canned fruits.
58. Gordon Packing & Mfg. Co., San Francisco. Pickles.
59. C. R. Splivalo & Co., San Francisco. Paste.
60. The C. C. Morse Seed Co., Santa Clara. Seeds.
61. State of California, Sacramento. Seeds.
62. H. Bohls & Co., San Francisco. Tobacco.
63. David Hetzel, Sebastopol. Tobacco.
64. Thos. Denigan Son & Co., San Francisco. Wool.
65. The J. K. Armsby Co., San Francisco. Fruit.

66. A. P. Hotaling & Co., San Francisco. Whiskey.
67. Griffin, Skelley & Co., San Francisco. Fruits.
68. E. A. Birdsall, Auburn. Olive oil.
69. F. A. Kessler, San Francisco. Onyx.
70. Castle Brothers, San Francisco. Fruits.
71. F. H. Busey, Oakland. Olive oil.
72. Stice & Gardener, Red Bluff. Fruits.
73. Philo Hersey, San Jose. Fruit.
74. Geo. C. Roeding, Fresno. Oil and figs.
75. Fair Oaks Fruit Co., Fair Oaks. Olive Oil.
76. A. Ekman, Oroville. Olive oil.
77. F. E. Booth, San Francisco. Salmon.
78. Lovedal Bros., Sacramento. Hops.
79. American Steel & Wire Co., San Francisco. Wire rope.
80. Fresno Home Packing Co., Fresno. Raisins.
81. **Grandma's Spanish Pepper Co.**, Sacramento. Peppers.
82. Rosenblatt & Co., San Francisco. Wines and Brandy.
83. California Winery, Sacramento. Wine.
84. P. C. Rossi, San Francisco. Wine.
85. A. Repsold, San Francisco. Wine.
86. Dresel & Co., Sonoma. Wine.
87. Napa & Sonoma Wine Co., San Francisco. Wine.
88. Wetmore, Bowen & Co., San Francisco. Wine.
89. Chas. Bundschu, San Francisco. Wine.
90. Shasta Mineral Springs Co., San Francisco. Water.
91. E. H. Riक्सford, San Francisco. Wine.
92. Alpine Cream Co., San Francisco. Cream.
93. Wagner Leather Co., Stockton. Leather.
94. Cal. Sugar & White Pine Agency, San Francisco. Lumber.
95. Jas. Tyson (Chas. Nelson & Co.), San Francisco. Lumber.
96. Dr. Cooms, Cloverdale. Olives.
97. Witter Water Co., San Francisco. Water.
98. Bartlett Water Co., San Francisco. Water.
99. Jackson's Napa Soda Spgs. Co., San Francisco. Water.
100. Petaluma Incubator Co., Petaluma. Incubators.
101. J. H. Flickinger Canning Co., San Jose, Fruits.
102. State of California, Sacramento. Walnuts.
103. Stockton Chamber of Commerce, Stockton. Chicory.
104. E. E. Cooper, Santa Barbara. Olive oil.
105. Geo. J. Henley, Sespe. Stone.
106. State of California, Sacramento. Plants.
107. State of California, Sacramento. Minerals.
108. Bakersfield Sandstone Brick Co., Bakersfield. Brick.
109. The Hicks-Judd Co., San Francisco. Books.
110. Leo Metzger & Bros., San Francisco. Wine.
111. Fresno City, Fresno. Educational.
112. Fresno County, Fresno. Educational.
113. Kern County, Bakersfield. Educational.
114. Los Angeles County, Los Angeles. Educational.
115. Pasadena City, Pasadena, Cal. Educational.
116. Los Angeles City, Los Angeles. Educational.
117. Monterey County, Monterey. Educational.

118. Marin County, San Rafael. Educational.

119. Oakland Board of Education, Oakland. Educational.

120. Placer County, Auburn, Educational.

121. Redlands Schools, Redlands. Educational.

122. Santa Clara County, San Jose. Photographs.

123. Sacramento, County, Sacramento. Educational.

124. Sacramento City Board of Education, Sacramento. Educational.

125. Sonoma County, Santa Rosa. Educational.

126. Santa Cruz County, Santa Cruz. Educational.

127. Stockton City Board of Education, Stockton. Educational.

128. San Francisco City and County Board of Education, San Francisco. Educational.

129. Ventura County, San Buena Ventura. Educational.

130. Mills' College, Alameda County. Educational.

131. State of California, Sacramento. Libraries.

132. State of California, Sacramento. School system.

133. State of California, Sacramento. Photo transparencies.

134. State of California, Sacramento. Educational.

135. Stone & Smith, Architects, San Francisco, Cal. School Buildings.

136. University of California, Berkeley. Educational.

137. State of California, Sacramento. Educational.

138. State Polytechnic School, San Luis Obispo. Educational. 24—92144

139. Throop Polytechnic Inst., Pasadena. Educational.

140. Cal. School Mechanical Arts & Wilmerding Trades School San Francisco. Educational.

141. Heald's Business College, San Francisco. Educational.

142. The Whilaker & Ray Co., San Francisco. Publications.

143. Alameda County, Oakland. School Exhibits.

144. Albert W. Miller Mfg. Co., Riverside. Mortiser.

145. F. W. Braun Company, Los Angeles. Machinery.

146. George C. Roeding, Fresno. Plants.

147. Citrus Soap Co., San Diego. Washing powder.

326. **Idaho State Commission.** Own building. Hon. R. W. McBride, executive commissioner. Collective mining, agricultural, educational and various other exhibits.

445D. **Colorado State Commission.** Own building. E. L. White, president; A. W. Hogle, executive commissioner. Collective agricultural and horticultural exhibits.

202. Fine Arts Building.

141. **Illinois State Commission.** Own building. Cyrus Thompson, president; Fred H. Hand, commissioner. Collective exhibits; historical exhibit covering life of Abraham Lincoln.



IDAHO BUILDING

IDAHO'S FINE EXHIBIT AND BUILDING

RICH DISPLAY OF MINERALS

The Idaho mineral exhibit is situated in the southwest corner of the building, and contains specimens of gold, silver, lead, copper, cobalt, nickel and tin from eighteen of the twenty-one counties of the state. Idaho produces 40.3% of all the lead produced in the United States, and 27% of the world's production. The state has on exhibition four prize-winning samples shown at St. Louis, as follows: Federal M. & S. Co., silver and lead ores, Burke, Shoshone county; Minnie Moore, silver and lead ores, Hailey, Blaine county; Kittie Burton mine, gold ore, Lemhi county; Croesus mine, gold and copper ore, Blaine county.

Near the southwest door of the main exhibition hall, there is a pyramid of ores, weighing 60,000 pounds, one specimen alone weighing 10,000 pounds.

A fine collection of lead ores and crystalized lead from the famous Hercules mine at Burke, and copper ores from the Seven Devils, Washington county, and other famous mines of the state, such as the Hecla, Della Mountain Mining Co., Bunker Hill and Sullivan, in Shoshone county; the Skylark, Rams Horn and Lost Packer mines of Custer country, producing gold, silver and copper; the Hogan mine (gold and silver), Jumbo mine (gold), Big Buffalo (gold), in Idaho county; Wild Rose (gold), Nez Perce county; Dewey mine (gold) Thunder Mountain; Silver King mine (silver and lead), Latah county, and many others.

EDUCATIONAL EXHIBIT

Each county of Idaho is represented in the educational exhibit, which consists of photographs of school buildings, school interiors, water-colored paintings, crayons, pen-and-ink and pencil drawings, besides many volumes showing regular school work. This exhibit occupies a space in the Idaho building, 22 by 30 feet, on the west side of the main exhibit hall.

Adjoining the educational exhibit is an excellent display of lace work, embroidered pictures, embroidery and quilting. In this display is a quilt that required two years to make, and an embroidered skirt that was made by one of the first settlers of Idaho.

AGRICULTURAL AND HORTICULTURAL

The collective agricultural display occupies the entire east side of the hall, and consists of over 150 varieties of wheat, oats and barley, besides grasses and leguminous seeds arranged in elliptical frames or panels. There are also in this exhibit two grain-pictures, 6x8 feet. The one to the left is Sacajawea (the bird woman), the noble young Indian squaw who guided the Lewis and Clark party to the Pacific, one hundred years ago. The other picture, to the right, contains two life-sized bust pictures of Chief Twist Hair, the Indian who was mighty within the borders of what is now Idaho, the Gem of the Mountains, when the Lewis and Clark party met his tribe in 1805, and the likeness of Frank R. Gooding, Governor of Idaho. They are made entirely of cereals, without the use of paint or bleaching.

Through the center of the hall will be found the horticultural exhibit, which will be replenished with fresh fruit as fast as the season affords the same.

271. **Massachusetts State Commission.** Own building. Hon. W. H. Fairbank, executive commissioner.

600. **Missouri State Commission.** Own building. E. S. Garver, secretary. Collective exhibits.

546. **New York State Commission.** Own building. Frederick R. Green, president state commission, Fredonia; Dr. Samuel B. Ward, vice-president state commission, Albany; Clarence Luce, commissioner, New York City; Harry D. Williams, commissioner, Buffalo; Pratt A. Brown, commissioner, New York City; Henry Altman, commissioner, New York City; Charles R. Huntley, commissioner, Buffalo; DeLancey M. Ellis, executive commissioner. Reception office and public accommodation rooms. Collective exhibits in education, social economy; forest, fish and game; mines and metallurgy, and agriculture.

554. **Oregon State Commission.** Own building. Hon. Jefferson Myers, president. Reception, office and public accommodation rooms.

554A. Coos County Building. Collective exhibit.

596. **Utah State Commission.** Own building. Gov. John C. Cutler, chairman. Collective exhibit consisting of mining machinery, mining ores and educational.

1. Utah Amalgamated Sugar Companies. Beet sugar.

2. John Back. Honey.

3. Kendall & Co. Kaolin.

4. Nephi Plaster & Mfg. Co., Stone and plaster goods.

5. Utah Canning Company, Utah. Canned fruits and vegetables.

6. Max Davidson Cigar Co., Cigars.

7. T. A. Allman. Wood carving.

555. **Washington State Commission.** Own building. Elmer E. Johnston, commissioner. A collection of commercial woods by 10 firms; a collective horticultural exhibit comprising 110 distinct exhibits; a collective exhibit for 16 counties and one private firm.

130. Washington State Exhibit in Fisheries. A comprehensive collection of food and game fish.

131. The San Juan Fish Co., Seattle. Fish.

132. The Chlopeck Fish Co., Seattle. Fish.

133. Washington State Exhibit in Mines and Metallurgy. Ores: Gold, silver, copper, iron, lead, antimony, arsenic. Mineral: Fossil collection, coal and coke, building materials, road making and cement materials, clay and clay products, limestone and lime, soils, mineral waters, illustrations, comprising 21 exhibits.

526. E. W. Vanduzen Co., Cincinnati, Ohio. In tower of U. S. Government Building. Chimes.

534. Majestic Mfg. Co., St. Louis. Own building. Steel ranges.

545. **National Cash Register Building,** Lewis and Clark Boulevard. Exhibit of educational, social economy and welfare features as adapted to factory, home and neighborhood.

351. Alex. Mason, Kirkwood, Mo. Patent gate.

509. National Drill Mfg. Co., Chicago. Drilling machinery.

458. Olympia Brewing Co., Olympia, Wash. Swiss Chalet.

575. Railway Equipment Co., Encampment, Wyo. Railway device.

168B. Studebaker Bros Co. Northwest, Portland. Vehicles.

Massachusetts State Building, Lewis and Clark Centennial Exposition

WILSON H. FAIRBANK
Executive Commissioner.

T. B. WILCOX, of Portland,
By Appointment of Governor Douglas,
President of Day when Building was Dedicated
June 17, and at other state functions.



BOARD OF MANAGERS

Rev. Geo. Harris, L.L.D., Amherst,
President.

Mrs. Sarah C. Sears, Boston, V.-Pres.

Mrs. May Alden Ward, Boston.

Thomas B. Fitzpatrick, Boston.

Wilson H. Fairbank, Warren, Executive
Commissioner.

James M. Perkins, Boston, Secretary.



THE Massachusetts State Building is a study of the State House at Boston on Beacon Hill, which was designed by Bullfinch, the celebrated architect, and is a reproduction of the second story of the State House. Is is truly collonial along architectural lines, with broad spacious piazzas and approaches. It is the only New England state having a building at the Exposition, and the Massachusetts Board of Managers extend a cordial invitation to the people of New England and other states to visit the Building, where they will receive a true welcome by the Executive Commissioner, Wilson H. Fairbank and his assistants.

Massachusetts enters for exhibition and competition at the Lewis and Clark Centennial Exposition, the Massachusetts State Exhibit Building, C. Howard Walker of Boston, Architect; Ion Lewis of Portland, Supervising Architect; E. A. Lynds, Contractor. The grounds and landscape effect by Oscar Huber, Esq., Director of Works, and Mr. Scott, Engineer.

The electric light display, suggestions of President H. W. Goode and Mr. Thompson, electrician. The electric light fixtures furnished by McKinney, Waterbury & Co., of Boston.

The electric light cut glass shades, "Franklin Hood," furnished by Gil-
linder & Sons of Philadelphia and Boston.

Thanks are extended to Col. H. E. Dosch, Director of Exhibits, and his assistant, Mr. Hardt, for the suggestion of having a state building in which to display its exhibits.

Massachusetts enters the following exhibits: Harvard University, Massachusetts Institute of Technology, prepared by Prof. Gardner; Boston University, Medical School, prepared by Prof. Sutherland; Amherst College, Williams, Holy Cross, Wellesley and Smith.

The ten state normal schools: Bridgewater, Fitchburg, Framingham, Hyannis, Lowell, North Adams, Salem, Westfield, Worcester and Boston; also the Massachusetts Normal Art School.

An exhibit from the public schools from the following cities and towns: Athol, Becket, Boston, Brookline, Chester, Clinton, Everett, Fall River, Fitchburg, Gardner, Georgetown, Groveland, Haverhill, Lawrence, Lowell, Lynn, Malden, New Bedford, Newton, North Adams, Northampton, Orange, Pepperell, Pittsfield, Revere, Somerville, Springfield, West Brookfield, Weston, Sutton, Auburn, Winthrop and Worcester. Also the Lowell Textile School, Mass., Nautical Training School, Sloyd Training School, Miss Wheelock's Normal Kindergarten Training School, the Boston School and the Horace Mann School for the Deaf. Exhibit of photographic pictures by Lowthorpe School of Landscape Gardening and Horticulture for Women, Groton, Mass., founded by Mrs. Edward Gillhurst Low.

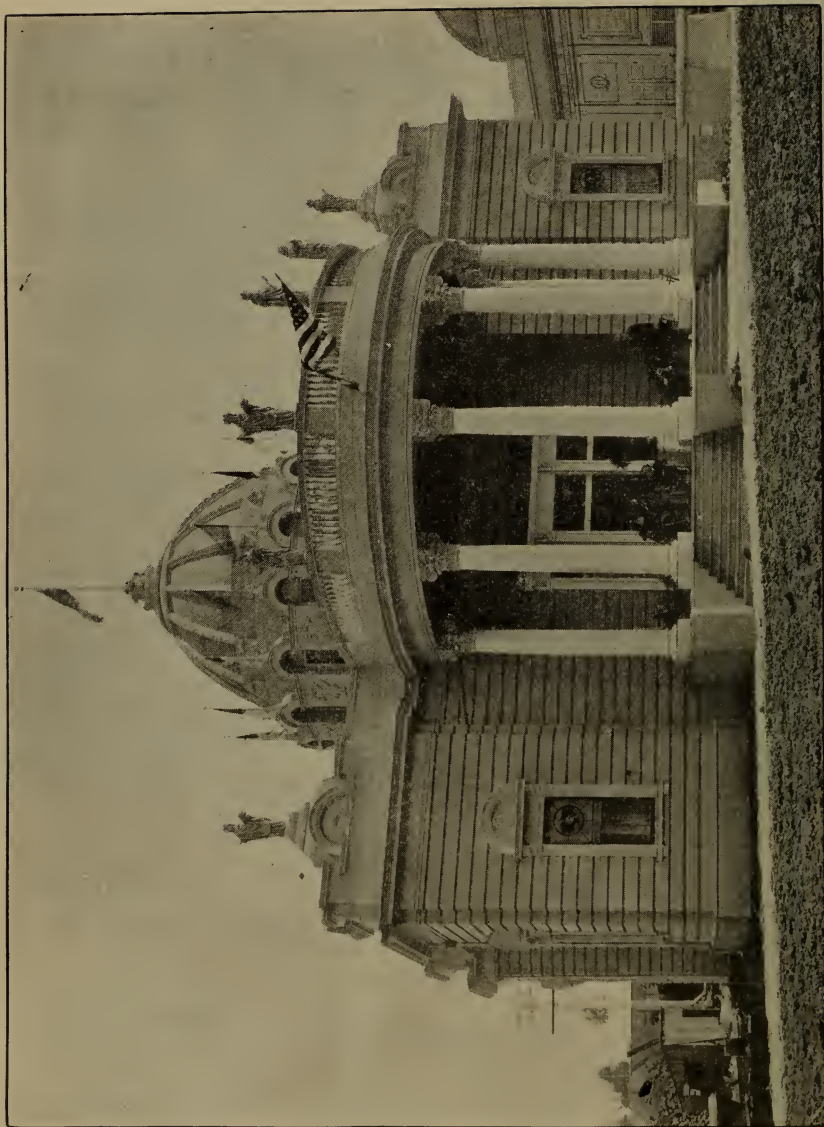
An exhibit of the free public libraries and a large map of Massachusetts with pen and ink drawings of nearly three hundred libraries, the work of Prof. Bartlett. (Massachusetts has a free public library in every city and town in the state.

Massachusetts enters the exhibits of its Penal Institutions, Truant Schools, State Boards of Charities and Corrections, Health, Insanity, Arbitration and Conciliation, the Bureau of Statistics of Labor, District Police, and Savings Banks Commission; also the Boston Transit Commission, Railroad Commission, Metropolitan Park and Water Systems and State Highway Commissions.

Entered with the State Exhibit are the following private exhibits: Youth's Companion, Lincoln House, Industrial Union, Social Reform, American Peace Society, Neighborhood House, American Invalid Aid Society, St. Vincent de Paul, and Plymouth Cordage.

Mr. D. W. Blanchard is in charge of the educational exhibit.

The furniture exhibit from the State House at Boston. The unique reproductions from Meekins, Packard & Wheat, Springfield, Mass. Crockery and cutlery from Jones, McDuffy & Stratton of Boston. Sanitary fixtures from Smith, Anthony & Co., Boston. Vases exhibited by D. Moriarty. Exhibit by the Standard Fishing Rod Company of West Brookfield. An exhibit of the oldest piano made in America, as well as the latest product of the same factory, viz, the famous Chickering & Sons of Boston, through the courtesy of Eilers Piano House of Portland, San Francisco and Spokane. A recital will be given on Thursday of each week between the hours of 3 and 4 P. M.



—Photo by Official Photographic Company

MISSOURI BUILDING

MISSOURI'S BUILDING

ONE OF THE LARGEST AND BEST EQUIPPED

Missouri has one of the largest and best equipped of the state buildings. All the exhibits of the state's resources are contained in this building, including art, educational, mining and agricultural exhibits. The sum of sixteen thousand dollars was expended on the building and its decorations. The building contains reading rooms for both men and women where the daily papers from all the large cities of Missouri are kept for the benefit of visitors. There is also a large library containing educational exhibits which include work from schools in every one of the one hundred and fourteen counties of the state. The exhibit of school work includes 600 volumes. There are displays from the normal schools of the state and the State University at Columbia, as well as the exhibits from the grade and high schools.

One large exhibit room is devoted entirely to agricultural exhibits. A fine display of corn is to be found here. Missouri is now the leading corn producing country of the world. This state carried off the prizes for the finest corn at the Expositions at Buffalo, Charleston and St. Louis. The wool display in this room also creates much interest. It is considered to be a finer exhibit than that of Missouri at Buffalo where it won the gold medal.

In another room is exhibited a representative showing of Missouri's mineral products. The specimens attractively displayed here were collected by the Rolla School of Mines.

The art gallery is a room 70 by 26 feet in dimensions. Here are exhibited in most attractive form the work of all the best living artists of the state. There are a number of fine pieces of sculpture done by sculptors from St. Louis, which is now recognized as the art center of the entire Southwest.

The State of Missouri appropriated for the state's exhibits fifty thousand dollars. The commissioners appointed by Governor Folk to represent the state at Portland are: Robert H. Kern of St. Louis, President; E. E. E. McJimsey, Vice President and Treasurer, and E. S. Garver, Secretary.

The decorations in the Missouri Building are unique, being done entirely in products of the field, corn husks and grain being used largely. A huge grain picture, measuring 12 by 30 feet, representing an ideal Missouri farm, is perhaps the most interesting of these decorations. Portraits of Governor Folk, Ex-Governor Dockery, Thomas H. Benton and James S. Rollins made of grain are hung in the rotunda of the building.



GEO. E. CHAMBERLAIN
Governor of Oregon

OREGON BUILDING

JEFFERSON MYERS
President Oregon Commission

***The* FIRM THAT MADE THE DREAM CITY BEAUTIFUL**

There are so many things curious and wonderful that strike the eye at the normal range of vision, that visitors to the Lewis and Clark Exposition are apparently unaware of the strikingly beautiful results obtained by the interior decorating of the buildings and booths.

To slap on a few coats of paint, make a few daubs here and a few streaks there—this is not all there is to interior decorating. Magazines devoted to this subject give page after page upon color schemes and the scientific combination of colors and shapes and distances.

As you gaze upward at the vaulted roofs, and note the graceful sweep of the arches, and the harmonious blending of color, you, in all probability, give but little heed to the enormous amount of preliminary work and thought by which these inspiring results were brought to completion.

To the firm of P. E. Dunnivant & Company is due these magnificent specimens of decorative art—an ensemble which stands as a monument to the taste and artistic attributes of those who caused it to be brought about.

The firm of P. E. Dunnivant & Company is known from the land of the rising sun to the land of the setting. From Buffalo in the far east, to Portland in the far west; from Atlanta in the far south, to Chicago in the far north; in Omaha, Charleston, St. Louis, and in every other place where skill and expertness such as this firm possesses, was needed—its handiwork has stood forth prominently; admired by the masses, and praised by those classes from whom praise is more than sweet.

There is hardly a building on the grounds of the Lewis and Clark Exposition, which this firm has not decorated. From the interior of the vaulted dome of the massive Administration Building, to the ceiling of some humbler structure, its work stands forth unobtrusively, yet in a manner not to be overlooked.

It is a known fact that to the masses must be given that fine sense of artistic perception, of the knowledge of the fitness of things, that, years ago, was thought to have belonged only to a chosen few. And it is from the masses that stroll along the broad aisles in the imposing structures of the Exposition, that the most fulsome of commendation and praise is received, regarding the interior decorating.

An exposition or a fair at which the work of P. E. Dunnivant & Company is not seen, is indeed a rare and remarkable occurrence. Their bids are sought for and encouraged by the managers of these enterprises, as it is realized that no contract is too large for this firm to undertake and to complete, to the satisfaction of all concerned.

The firm of Dunnivant & Company is composed of P. E. Dunnivant and E. D. Allen. They are now working upon an addition to the Missouri Building. One of the best results of their work is the new Fairmount Hotel, just outside the grounds.

334. Seattle Ginseng Co., Seattle, Wash. Ginseng garden.

406. McDowell Ginseng Co., Joplin, Mo. Ginseng garden.

344. **Star Drilling Machine Co.**, Akron, Ohio. Drilling machines. Oil, gas, water and mineral prospecting machinery.

307. P. C. Forrester, Streator, Ill. Gate.

572A. T. H. Brigg, St. Louis, Mo. Yokes.

200. R. S. Caward, Cresco, Iowa. Stump puller.

216. Clyde Cuttlery Co., Clyde, Ohio. Horticultural tools.

297 $\frac{1}{2}$. Hungarian Csarda. Own building. Lake front.

127 $\frac{1}{2}$. Columbia Engineering Works, Portland, Oregon. Ram.

379. Chas. H. Hunt, Walla Walla, Wash. Gate.

402. Miles K. Lewis, Lampoc, Cal. Gate.

615. Smiley Purvine, Salem, Oregon. Gate.

636. H. E. Harrington, Beloit, Wis. Bee deposit detective.

309. **Best Manufacturing Co.**, San Leandro, Cal. Agricultural machinery.

791. Blackburn & Pettit, Wichita, Kans. Patent gate.

790. Fraternal Temple. Own building.

785. G. W. Tribbey, Marshfield, Ore. Primitive mining of black sands (outside Mines Building).

543. H. V. Bright, Cleveland, Ohio. Turnstiles.

314. Paraffine Paint Co., San Francisco. Roofing material.

448. Washington Brick & Lime Mfg. Co., Spokane, Wash. Brick and Terra-cotta.

470. Burlington Concrete Machine Co., Burlington, Iowa. Cement block machine.

656. Willamette Tent & Awning Co., Portland. Awning.

683. Rightmire Folding Gate Co., North Yakima. Gate.

The Best Manufacturing Company

SAN LEANDRO, CALIFORNIA

Have on exhibition the largest Combined Harvester on record; power of traction engine, one hundred and ten horse power; capacity of separator, two thousand sacks per day; width of header on machine, 36-foot cut. They also have on exhibition a Side Hill Harvester, which is drawn by 20 horses and with a capacity of 25 acres per day. They also have a horse power machine which is drawn by 12 horses. The machinery is driven by a gas motor. In addition to this machinery is shown a complete Logging Outfit, three large log trucks of 16-ton capacity each and a 110-horse power road engine. The price of the machinery, including a Steam Plowing Outfit, will amount to \$50,000, the largest exhibit of such class of machinery placed on exhibition any place in the world.

700. Geo. W. Warren, Spokane. Hay feeder.

702. Ames & Harris, Portland, Oregon. Tent.

717. **R. D. Wood & Co.** Philadelphia. Manufacturers of water and gas works appliances, pumping machinery, cast iron pipe, hydrants, valves, etc. Woolsey-Crowe Supply Co., agents, 252 Oak St., Portland, Ore.

723. Brooks & Sons, Carlton, Oregon. Nursery Stock.

726. **L. B. DeCamp's Machine** for applying crude oil to roads.

For particulars apply to room 22, Starr-King building, San Francisco.

412. American Steel & Wire Co., San Francisco. Fence.

764. Chas. T. Wright, Portland, Oregon. Wagon rack.

784. **Maine State Building**, a reproduction of the birthplace of Longfellow, greatest of American poets; born Portland, Maine, February 27, 1807.

793. H. F. Bonesteele, Shannon, Mont. Sickle attachment for grindstone. Device for splicing broken fence wires.

Department of Concessions

JOHN A. WAKEFIELD
Director

CHAS. B. PFAHLER
Chief

Concession.

Concessionaire.

1. Official photography, Official Photographic Company, Exposition Grounds.
2. American Inn, Mrs. Jas. T. McCready, Buffalo, N. Y.
3. Launches, gondolas and rowboats, Truscott Boat Mfg. Co., St. Joseph, Mich.
4. Official souvenir spoons, C. L. Watson, Atleboro, Mass.
5. Bismarck restaurant, Otto Mueller, Omaha, Neb.
6. Roller chairs, Maj. T. S. Clarkson, St. Louis, Mo.
7. Seating, Maj. T. S. Clarkson, St. Louis, Mo.
8. Vaudeville theatre, Geo. Jabour, Portland, Ore.
9. Infant Incubators, Infant Incubator Co., New York.
10. Leather and alligator goods, Hy. Grossman, St. Augustine, Fla.
11. Cascade Gardens and Terrace of States of L. P. E., W. F. Williamson, St. Louis, Mo.
12. Water chutes, The Water Chutes Co., Portland, Ore.
13. Temple of Mirth, Fernand Akoun, St. Louis, Mo.
14. French cafe, French Cafe Co., Portland, Ore.
15. Certificates of Visitation, A. T. Wright, Ballard, Wash.
16. Japanese Village, Yumeta Kushibiki, St. Louis, Mo.
17. Diving elks, W. H. Barnes, Sioux City, Iowa.
18. Animal show, New York Animal Show Co., Portland.
19. Official mailing cards; official stationery and news stands, B. B. Rich, Portland, Oregon.
21. Official guide, Official Guide Co., Portland, Ore.
22. Haunted swing, Oregon Amusement Co., Pt. Townsend, Wash.
23. Restaurant, Theo. Kruse, Portland, Ore.
24. Streets of Cairo and Oriental Village, Gaston Akoun, St. Louis, Missouri.
25. Kiralfy's carnival of Venice, Bolossy Kiralfy Venice Co., Portland, Oregon.
26. Land of the midnight sun, Edw. M. Bayliss, St. Louis, Mo.
27. Roast beef sandwich, Edw. M. Bayliss, St. Louis, Mo.
28. Darkness and dawn, Edw. M. Bayliss, St. Louis, Mo.
29. Klondike Mining Exhibit, Alaska-Klondike Exhibit Co., Portland.
30. Official ground plan print, Union Printing Co., Portland, Ore.
31. Face creams and cosmetics, Gertrude Saxe, Portland, Oregon.
32. Toy balloons and rubber novelties, Harry L. Wilson, Pt. Townsend, Washington.
33. Utah souvenirs and Mormon church publications, Goddard & Hull, Salt Lake, Utah.
34. Televue, J. B. Fowler, Portland, Ore.
35. Advertising rocking chair, The Morgan Co., Portland, Ore.
36. Souvenir coins, Farran Zerbe, St. Louis, Mo.
37. Administration restaurant, Matthew Voney, Portland, Oregon.
38. Davenport Farm Exhibits, Homer Davenport, New York City.

39. Sistine Madonna, Mathilde Ripberger, St. Louis, Mo.
40. A trip to Niagara Falls, A Trip to Niagara Falls Co., Portland.
41. Official Daily Program, Albert Hess & Co, Portland, Ore.
42. Shears, seissors and razors, Clauss Shear Co., Tremont, Ohio.
43. Aeronautics and captive airships, Aerial Navigation Co., Portland, Oregon.
44. Holland house and Dutch cocoa, M. Elzas, Portland, Ore.
45. Egyptian Mosque and toilet preparations, Woodard, Clarke & Co., Portland, Ore.
46. Art Pictures, Mrs. Eliza R. Barchus, Portland.
47. Cigars, cigarettes and smokers articles, F. C. Whorley, St. Louis, Mo.
48. Hungarian Csarda, Nor. E. Fischer, Budapest, Hungary.
49. Novelty concession, Jas. T. Hayward, Portland, Ore.
50. Ice cream waffle cones and soda fountains, Hazelwood Cream Co., Portland, Ore.
51. Pocket cutlery operative exhibit, Walden Knife Co., Walden, Massachusetts.
52. Peninsula restaurant, H. G. Piehl, Portland, Ore.
53. Y. W. C. A. Restaurant, Y. W. C. A., Portland.
54. Galveston flood, Galveston Flood Co., Portland, Ore.
55. Asbestos sad irons, The Dover Mfg. Co., Canal Dover, O.
56. Wilhoit Springs mineral water, F. W. McLeran, Wilhoit, Ore.
57. Ruby and green glassware, B. M. Taylor, Portland, Ore.
58. California radium exhibit, California Radium Co., Los Angeles, California.
59. Soft drinks, Hull & Moore, Portland, Ore.
60. Filigree jewelry, Ernest Ehrke, Portland, Ore.
61. Robert Burns' Cottage, Burns Cottage Assn., Portland, Oregon.
62. Roltair castle, Roltair Amusement Company, Portland.
63. Art leather goods, St. Louis Art Leather Co.
64. Official catalogue, Albert Hess & Co., Portland.
65. Souvenirs and souvenir novelties, W. H. Seward, Portland.
66. Sea shells and sea shell novelties, D. M. Averill & Co., Portland.
67. Burnt and carved wood souvenirs, Miss Eva L. Wells.
68. Soft drinks, Mrs. W. D. Westcott, Portland, Ore.
69. Electric novelties, American Electric Novelty Mfg. Co.
70. Penny Arcade, Weiss, Goldgraber & Bren, Portland, Oregon .
71. Souvenir novelties, A. T. Saidy, Portland, Oregon.
72. Shooting gallery, L. Berkowitz & Co., Portland, Ore.
73. Wooden puzzles and souvenirs, Augustus M. Hall, Washington,
74. Grape juice, Welch Grape Juice Co.
D. C.
75. Mirror maze, Fernand Akoun, St. Louis .
76. Ralston-Acme Cereals, Acme Mills Co., Portland, Oregon.
77. Leather goods and souvenirs, Mrs. Geo. B. Ford, Seattle, Wash.
78. Indian curios and relics, Christ Miller, Portland, Ore.
79. Shell novelties, leather and burnt wood souvenirs, Mrs. Maggie N. Miller, Portland, Ore.
80. Fruits, Bruno Frankel, Portland, Ore.
81. Smoked glasses and spectacles, Bruno Frankel, Portland, Oregon.
82. Soft drinks, R. & S. Mitty, Portland, Oregon.
83. Peanuts, popcorn, candy and chewing gum, Pacific Coast Biscuit Co., Portland.

84. The White Slave, or a glimpse of the harem, Esther A. Shapiro, Portland, Oregon.
85. Souvenirs, novelties and jewelry, DeWitt & Mayer, Portland.
86. A trip to Siberia, Great Siberian Railway Co., Portland, Oregon.
87. Laundry, Lewis and Clark Laundry Co., Exposition Grounds.
88. Mosaic jewelry, S. B. Getzler.
89. Shoe shining and lavatories, R. G. Morey.
90. Abalone shell jewelry and novelties, E. Bergman, Los Angeles, California.
91. Leather and aluminum goods, W. V. E. Henrice.
92. Indian exhibit, Aiken, Munley & Aitchison, Portland.
93. Indian arrow heads, W. H. Stewart, Goldendale, Wash.
94. Card printing, Kilham Stationery Co., Portland.
95. Rembrandt's The Night Watch, Capt. M. J. Perk, Holland.
96. River front landing, King & Sutton, Portland.
97. Soft drinks, Salz Bros. & Weiss.
98. Souvenirs and novelties, Mrs. Fred Witton.
99. Blue Grotto, H. R. Schmohl, Portland, Oregon.
100. Dermal preparations, Mrs. J. V. Cunningham.
101. Ingersol watches, Lipman, Wolfe & Co., Inc., Portland, Oregon.
102. Lipton tea exhibit, Thos. J. Lipton.
103. Opticals, Walter Reed Optical Concession Co., Portland.
104. Victor Bubble Guns, Pierson & Killits, Portland.
105. Cider, D. H. Evans, Bellingham, Wash.
106. Perfume vending machines, Geo. O. Miller, Portland, Oregon.
107. Automatic stamp machines, N. O. Chance, Tacoma, Wash.
108. Medical Lake salts, Medical Lake Salt Mfg. Co.
109. Leather goods and souvenirs, Hannah Raphael.
110. Parcel checking, Exposition Checking Co.
111. Leather goods and curios, Mrs. Clara Hatch Stevens.
112. Leather goods and curios, R. P. Cullen.
113. Walking canes, Mathias Lee, Canfield, Ohio.
114. Tetley tea exhibit, Wadhams & Co., Portland, Oregon.
115. Silk loom and silk machinery, Mrs. M. M. Walker.
116. Weller pottery exhibit, A. A. Weller, Zanesville, Ohio.
117. Souvenirs, novelties and jewelry, Max Fleischman.
118. Soft drinks, Kalil Bishwati.
119. Shell, pyrographics and taxidermy, Chas. C. Tobias.
120. Merchandise sales, Geo. F. Lucas Mfg. Co., Portland, Oregon.
121. Indian goods and curios, A. J. Dockarty.
122. Indian and Mexican textiles, J. W. Benham.
123. Souvenirs and novelties, Adolf Grunebaum.
124. The souvenir of Western women, Miss M. L. Douthit.
125. Soft drinks, W. J. Barnes.
126. Philippine exhibit, E. A. Felder.
127. Italian jewelry, coral and shell, Borelli & Vitelli, New York.
128. Gem stones, mounted and unmounted, Geo. Bell Co., Denver, Colorado.
129. Ladis flying airships, L. Ladis & Co.
130. Borden's malted milk, Borden's Condensed Milk Co.
131. Saddlery and carved leather, G. S. Garcia, Elko, Nevada.
132. Silk loom (operative exhibit), Mrs. J. J. Mannion.

- 133. Martin chair canes, The Martin Chair Cane Co.
- 134. Tripod weighing scale, A. Siseho and Jos. Barton.
- 135. Keyless locks and pipe wrenches, etc., J. B. Miller, agent.
- 136. Coin rolling machine, Ray D. Sperry.
- 137. Mann's holdfast screw driver, Mann Specialty Co.
- 138. Silver goods and jewelry, Providence Silversmith Co.
- 139. Soft drinks, Mrs. F. C. Whorley.
- 140. Formosa Oolong teas, Formosa Oolong Tea Co.
- 141. Light walking canes, J. W. Benham.
- 142. Milk, buttermilk and ice cream, Hazelwood Cream Co.
- 143. Soft drinks, Chas. L. Wilson.
- 144. California lunches and products, Chas. L. Wilson.
- 145. Souvenirs and novelties, Chas. L. Wilson.
- 146. Souvenirs and novelties, John J. Mannion.
- 147. Japan ball rolling game, Japan Art Trading Co.
- 148. Merchandise and souvenirs, Weiss & Goldgraber.

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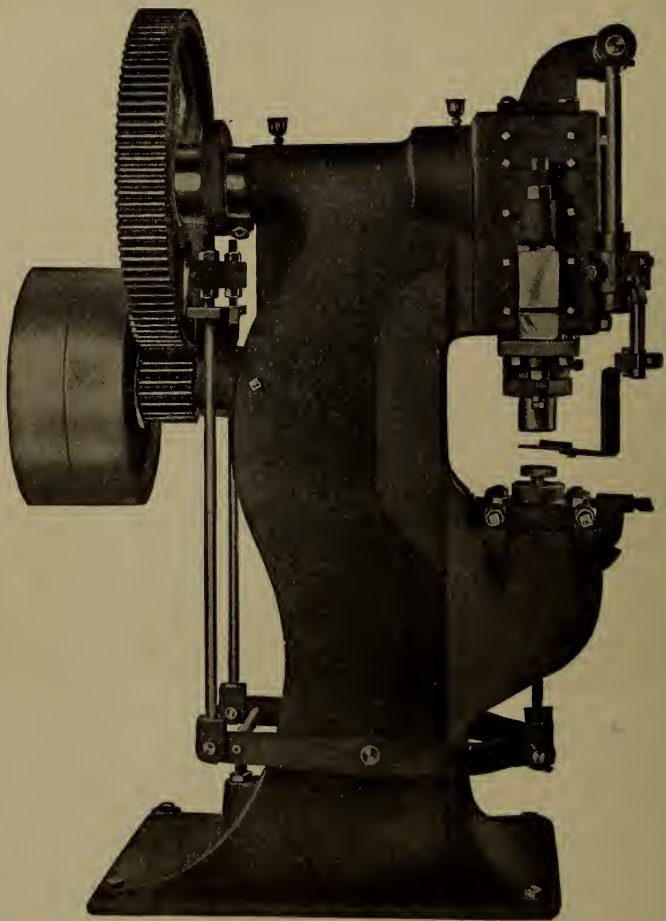
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NO feature at the whole Exposition has attracted more attention or comment than the exhibition known as "A Trip to the N. C. R." First entertaining the audience by a beautifully staged stereopticon and motion picture exhibition, then instructing by its unique business organization, finally enthusing over the results obtained by this company with its welfare work, these lectures will long be remembered by the people who heard them. If he be a manufacturer he will no doubt find much in the method pursued in obtaining a more harmonious feeling between capital and labor; its clean, bright, well-ventilated windows, if he be a school teacher or interested in welfare work and improvement of people generally; if he be a merchant, in the method of obtaining suggestions.

FACTORY AND MAIN OFFICE: DAYTON, OHIO, U. S. A.

SOME INTERESTING FACTS ABOUT

H. J. HEINZ COMPANY

CELEBRATED PURE FOOD ESTABLISHMENT

Over 3000 Employees; 16½ Acres Floor Space at Main Plant; 11 Branch Factories; 67 Salting Stations; Factory for Curing and Packing Olives, Seville, Spain; 20,000 Acres of Land under Cultivation; 40,000 People engaged in Harvesting Crops; 26 Branch Distributing Houses; 400 Traveling Salesmen; Operating also Glass Bottle Plant; Box Factory; Tank Factory; Railroad Refrigerator Line; Railroad Tank Car Line; Branch Warehouses and Offices in London; Agencies in the leading commercial centers of the world.

HEINZ 57 Varieties of Pickles and Food Products are the output of the cleanest, largest and best equipped establishment in the world.

The quality is all that care and thirty-five years' experience and the choicest material will make it. We raise the vegetables, make the vinegar and grind the spices used in their manufacture.

We were awarded fifty-five gold medals at New Orleans, Paris, Chicago, Antwerp, Glasgow, Atlanta, Buffalo, Philadelphia National Export Exhibition, Charleston, S. C., and many other expositions, including the following in England: Cookery and Food Exhibition, London; Trades and Industrial Exhibition, Birmingham; Weston-Super-Mare Exhibition, Weston; British and Colonial Exhibition, Manchester; Exhibition of Commerce and Manufacturers, London; Bakers, Grocers and Confectioners, Newcastle-on-Tyne.

SOME OF HEINZ **57** GOOD THINGS FOR THE TABLE

SWEET PICKLES	PRESERVED FRUITS	TOMATO CHUTNEY
TOMATO SOUP	OLIVES	INDIA RELISH
MINCE MEAT	APPLE BUTTER	DILL PICKLES
CIDER VINEGAR	PREPARED MUSTARD	MALT VINEGAR
BAKED BEANS WITH TOMATO SAUCE		
PICKLED ONIONS	WHITE PICKLING VINEGAR	MUSTARD DRESSING

Main Plant and General Offices of

H. J. HEINZ COMPANY

PITTSBURG, PENNSYLVANIA, U. S. A.

Visit Our Exhibit in the Agricultural Building and Sample some of the
"57 Good Things for the Table"





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